WATER SERVICE PLAN



CITY OF JONESTOWN, TEXAS

Adopted: May 10, 2018

Prepared By:

JAY ENGINEERING COMPANY, INC. TEXAS REGISTERED ENGINEERING FIRM F-4780

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5/10/18

DATE

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1. INTRODUCTION

The City of Jonestown, Texas retained Jay Engineering Company, Inc. to generate a comprehensive water service plan for the City. The City of Jonestown's proposed Comprehensive Water Service Plan will outline the proposed extension of water service to serve the proposed Sterling Classical School Project located at 18220 FM 1431, Lot 8, Lone Mountain Ranch in Jonestown, Texas.

The scope of the project includes: goals of the proposed service plan, benefits of the plan, service area, preparation of growth scenarios, CCN areas(existing), definition of service area needs, identification of water supply and distribution alternatives with potential costs, existing infrastructure evaluation and preliminary design, infrastructure capital costs, project capital financing, ordinance requirements, hazard mitigation plan, integration with the proposed Wastewater Master Plan, utility operations and utility billing.

Also included is the development of computerized water model for the existing system, recommendations on fire flow improvements, and possible financing alternatives.

2. GOALS

Utility services are a key factor in the quality of life of a city. The provision of potable water for domestic purposes and firefighting are two key factors which contribute to the health, safety and welfare of City. The Comprehensive Water Service Plan is a planning document which will provide a framework for expanding water supply to areas that have not previously had access to water from Jonestown Water Supply Corporation.

The overall goal of this plan is to ensure that the existing and future water supply system needs are satisfied in a manner consistent with the following objectives:

- ∞ Community water supply systems proposed in this plan shall support the landuse recommendations adopted by the City of Jonestown.
- The City's water supply system needs are satisfied in a cost-effective manner
 that will protect or improve the quantity and quality of water resources available
 from both public health and environmental standpoints.
- The Plan shall address needs of the system and possible solutions to those needs, including recommendation for improvement projects.

The goal is to maintain or improve the overall quality of life for all citizens of the City of Jonestown by promoting sustainable development and providing/maintaining a potable and adequate supply of water. This goal can be reached by guaranteeing commercial uses will be at appropriate locations and providing the necessary infrastructure to expand service to currently undeveloped areas needing water service.

3. Benefits

One of the benefits of extending water to service to the proposed development is the increase of property tax base and future sales tax revenue. Via acquisition of easements across the property, future extension of utilities for commercial development will be possible. This would help to spread the cost of services over a larger number of taxpayers and businesses and give some relief to the existing city residents and business owners. Another benefit would be encouraging development of commercial businesses such as restaurants, artisan shops, local retail shops and possibly hotels. Potential developments could also include centers for learning, music or crafts. This proposed service expansion would help the City of Jonestown fulfill its goals for growth that would support its residents while attracting visitors to the City. New development would also allow for city residents to spend their money locally.

4. Service Area

The proposed Sterling Classical School Development is located outside of the service area of Jonestown Water Supply Corporation. See **Exhibits A and C** for the approximate location of the proposed Sterling Classical School Development in regards to the City Limits.

5. CCN Areas

The City of Jonestown currently does not have Certificate of Convenience and Necessity (CCN) to provide water service within the City. A CCN is an exclusive right conveyed to a public water system by the Texas Commission on Environmental Quality (TCEQ) to provide water service within a set area or along installed water distribution facilities. The residents and commercial businesses located within the City Limits and portions of the ETJ are presently provided water service by Jonestown Water Supply Corporation. Jonestown Water Supply Corporation is a non-profit water supply corporation which operates without a franchise agreement with the City. See **Exhibit B** for the Jonestown Water Supply Corporation CCN service area boundary as provided by the Public Utility Commission of Texas.

The proposed Sterling Classical School Development is located in an area that is currently not in the Jonestown Water Supply Corporation CCN or any other CCN. The location of Sterling Classical School Development in regards to the Jonestown Water Supply Corporation CCN boundary (provided by the Public Utility Commission of Texas) can be found in **Exhibit C**.

Municipalities that provide water service within their corporate boundaries are not required to have a CCN to provide water service. Regardless, it is recommended that municipalities obtain CCNs for areas they serve.

6. Service Area Needs

The area in which the Sterling Classical School Development is located is currently not located within the service area of Jonestown Water Supply Corporation. The area is currently not located within any service area of any water system. Water needs to be extended to the location in order for the site to be developed via connection to the water system installed in the Travisso Development.

Approximately 53 LUE's will be serviced by a waterline extension to the area of the proposed Sterling Classical School development. An LUE (living unit equivalent) is defined as the typical flow that would be produced by a single family residence.

7. Adjacent Water Systems

The largest water systems located adjacent to the Sterling Classical School site are the Jonestown Water Supply Corporation and the City of Leander (See **Exhibit** D). The City of Leander is the closest water service area to the site. The City of Leander water distribution system includes an 8" Leander water line stubbed to the Sterling Classical School site.

8. Supply Evaluation

Population and weather have the two largest impacts on water system demands. Population growth has a tendency to increase the annual demand, whereas high temperature has a tendency to increase the demand over a short period of time. Population does not solely determine demand because different populations use varying amounts of water. The use varies based on the number of users in each customer class, land use density and irrigation practices. Water conservation efforts also impact demands and can be used to accommodate a portion of system growth without increasing a system's supply capacity.

Under an existing interlocal agreement with the City of Leander, the City of Jonestown has access to up to 2,000 LUEs of water from the City of Leander. The water supply within the City of Leander that would supply Jonestown is provided by the Brushy Creek Regional Water Plant and the water distribution system within the Travisso subdivision that abuts Jonestown City Limits and the Sterling Classical School development property.

The Travisso water system in the City of Leander is served by the Brushy Creek Regional Water Authority Plant located on Hur Road. Phase 1 of the Brushy Creek Regional Water Authority Plant has a production capacity of 17 MGD (million gallons per day) and is designed for future expansion to up to 30.9 MGD. The system ties in to an existing 2.0 MG (Million Gallon) elevated storage tank with an HGL of 1,147' AMSL. There is a 24" main transmission line that feeds the water system in Travisso. **Exhibit E** shows the proposed connection to the water system in Travisso. **Exhibit H** contains the water model run for the proposed extension to the Sterling Classical School Development Area

9. Infrastructure Evaluation and Preliminary Design

Water supply, or production, is the amount of water supplied to the system, as measured by the meters at each supply source. Water supply is different than water consumption in that water supply is essentially the recorded amount of water put into the system and water consumption is the recorded amount of water taken out of the system. The measured amount of water supply of any system is typically larger than the measured amount of water consumption, due to non-metered water use and water loss (i.e., distribution system leakage).

The water model was run with a proposed 147 LUE's for the Sterling Classical School site and surrounding areas with a proposed design flow of 1.5 gallons per minute and a commercial fire flow of 2,000 gpm. The water model shows that there is sufficient capacity in the current system to provide water to the proposed Sterling Classical

School Development Area for domestic and fire flow purposes. The model also shows that the system would meet the required minimum pressures set by TCEQ.

10. Infrastructure Capital Costs

Exhibit F shows the approximate Engineer's Opinion of Probable Cost for extending water service from Travisso to the Sterling Classical School site.

11. Project Capital Financing

One of the biggest constraints for construction of projects for a city is how they will be funded. Typical funding sources for municipal utility projects include: general obligation bonds, certificates of obligation, loans, grants, utility revenues, impact fee programs and other financing.

Other alternatives for project financing can be made through development agreements with developers for specific projects. Creation of Municipal Utility Districts (MUDs), Municipal Management Districts (MMDs), Public Improvement Districts (PIDs), Tax Increment Financing Districts (TIFs), could also be used to help pay for projects. These types of financing alternatives are generally not included in a City's municipal planning, but are usually necessitated when a developer wishes to construct a project in an area that is not within the City's ability to serve. A development agreement may be as simple as to require the developer to construct an improvement and then be reimbursed part or all of the cost of project through collected impact fees or tax revenues. Formation of a district of any kind is more complicated, as legislative requirements are established for each type of district. Consultation with the City Attorney is recommended prior to considering any type of arrangement of this kind.

12. Proposed Ordinances, Policies and Plans

There are several ordinances/plans that are necessary for Jonestown to enact in order to provide water service. These include a Drought Contingency Plan, Water Conservation Plan and a Rate Ordinance. Optional ordinances/policies and plans that

that the City should adopt include a Force Connect Ordinance, Line Extension Policy and an Impact Fee Ordinance. Each of the aforementioned documents is discussed in more detail below.

a. Drought Contingency Plan

All water utilities that purchase water from the LCRA, including the City of Leander have a contract with the Lower Colorado River Authority (LCRA) for water supply. In cases of extreme drought, periods of unusually high usage, system contamination, or prolonged reduction in ability to supply water due to equipment failure, the LCRA typically will require water customers to institute temporary water restrictions to limit non-essential water usage. A Drought Contingency Plan (DCP) would need to be designed to protect the available water supply and protect the integrity of water supply facilities, with specific regard for domestic water use, sanitation and fire protection during these periods or other water supply emergencies. Water uses regulated or prohibited under a DCP are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply conditions are deemed to constitute a waste of water.

The City of Jonestown is considering adoption of a combined Water Conservation and Drought Contingency Plan. The plan should be adopted for only the area served by the wholesale agreement between Jonestown and Leander.

b. Water Conservation Plan

The purpose of a Water Conservation Plan (WCP) is to ensure long-term water security and efficiency for the residents and businesses. This long-term planning and management is critical so that supplies of water will always meet and exceed the demands of customers. It allows water supplies to be sustainable as the region grows. Short term water security and planning during dry times is explained in a separate DCP, which is a supporting document. Water suppliers also are required to have their WCP adhere to Title 30, of the Texas Administrative Code (TAC) Chapter 288 (30 TAC §

288). This Plan would need to contain all of the provisions required in 30 TAC § 288, including conservation plans for municipal users and a DCP.

The City of Jonestown is considering adoption of a combined Water Conservation and Drought Contingency Plan. The plan should be adopted for only the area served by the wholesale agreement between Jonestown and Leander.

c. Water and Wastewater Service Regulations

An ordinance for setting water rates and regulations is required. The ordinance would help to offset costs of maintaining and upgrading the water system. This would set monthly water rates for a set amount of water usage (typically the first 1,000 gallons) with additional costs for all water consumption in excess of the set amount. A set minimum charge based on water meter size would also be set. Water cost for customers outside the City Limits is typically twice as high as for those located within City Limits. By integrating the Water Plan with the Wastewater Master Plan, one rate ordinance could be enacted for water and wastewater together. The City is considering adoption of revised Water and Wastewater Service Regulations that will contain regulations and rates for both water and wastewater service.

d. Force Connect Ordinance

Consideration would need to be taken as to whether or not the City would pass an ordinance that would force residents to connect to the water and wastewater systems if the residents' water wells or septic systems fail. The ordinance could require property owners to connect to city water if their water well fails and their property lies within 200 feet of a city water line. Provisions for force connect are included in the proposed Water and Wastewater Service Regulations.

e. Line Extension Policy

The City would also need to establish a policy with regard to extending water lines. Unfortunately, some residents still live in areas where public water access is not an

option. In such situations there may not be enough potential new customers to offset the costs that would incur to extend waterlines into these areas, even if these costs were spread out. For this reason, the City would have a Water Line Extension Policy so it could extend new waterlines to customers that fund part of the project by paying up front for the cost of materials and other significant project costs, such as excavation of rocks during waterline installation or driveway repairs. These costs typically represent 40-60% of the total project cost and depending on the size of the project and the number of landowners participating in the project, can be substantially less than drilling a new well. Provisions for a line extension policy are included in the proposed Water and Wastewater Service Regulations.

f. Impact Fee Ordinance

Municipalities in the State of Texas are authorized under Chapter 395 of the Texas Local Government Code to implement an Impact Fee Ordinance to finance capital improvements required by new development. The assessment and levying of an Impact Fee program usually plays a significant role in the financing of capital improvements of water systems. Development of an Impact Fee program usually takes about six months and includes the following elements: Land Use Plan, Population Projections, 10-year Capital Improvements Plan (CIP) and Impact Fee Ordinance.

Frequently, a City will utilize the Planning and Zoning Commission membership, along with a development representative, to constitute the standing Impact Fee Advisory Committee. This Committee works with the Impact Fee consultant in development the necessary elements of the program and provides recommendations to the City Council on program elements, fee amounts and program implementation.

Adoption of an impact fee program by the City of Jonestown will assist with development of a water system, should the City elect to initiate its own water system. The fee program would need to include a pass-through collection and payment of the City of Leander Impact Fee for each LUE of service that is added to the Jonestown system. Additionally, an impact fee program can be part of economic incentives for

City of Jonestown Water Service Plan

development, as collection and reimbursement of developers for developer-funded CIP projects are common entitlements that drive development projects.

While recommended, adoption of an impact fee program is not imperative for the provision of service. The City will need to adopt a pass-through policy with regard to impact fees that are collected and sent to the City of Leander as part of the conditions of the wholesale water and wastewater service agreement.

13. Hazard Mitigation Plan

Hazard mitigation is the effort to reduce loss of life and property by lessening the impact of disasters. It is most effective when implemented under a comprehensive, long-term mitigation plan. State and local governments engage in hazard mitigation planning to identify risks and vulnerabilities associated with natural disasters, and develop long-term strategies for protecting people and property from future hazard events. Mitigation plans are key to breaking the cycle of disaster damage, reconstruction, and repeated damage.

Developing hazard mitigation plans enables state and local governments to:

- •Increase education and awareness around threats, hazards, and vulnerabilities;
- •Build partnerships for risk reduction involving government, organizations, businesses, and the public;
- •Identify long-term, broadly-supported strategies for risk reduction;
- •Align risk reduction with other state, tribal, or community objectives;
- •Identify implementation approaches that focus resources on the greatest risks and vulnerabilities; and Communicate priorities to potential sources of funding.

Moreover, a FEMA-approved hazard mitigation plan is a condition for receiving certain types of non-emergency disaster assistance, including funding for mitigation projects. Ultimately, hazard mitigation planning enables action to reduce loss of life and property, lessening the impact of disasters.

The City of Jonestown participated last year in the Travis County Communities Hazard Mitigation Plan (HMP) with seven other Central Texas Cities and Villages. The City of Jonestown adopted the multijurisdictional HMP on April 13th 2017 under Resolution No. 2017-R-372.

14. Integration with Wastewater Master Plan

The City of Jonestown has developed a Wastewater Master Plan which has set goals of developing and maintaining a city-wide wastewater collection system to be constructed in phases over the next ten to twenty years. The first phase of the wastewater system is proposed to be through the FM 1431 commercial corridor via construction of wastewater lines, lift stations and a low-pressure sewer system in some areas. This proposed first phase includes the area in which the Sterling Classical School Development is located. Updates to the Wastewater Master Plan have calculated 147 LUE's for the proposed development in that area.

15. Utility Operations

The City of Leander has a Water and Wastewater division of their utility department which is responsible for the daily operation of the water distribution system and wastewater collection system for the City of Leander. They would provide maintenance and repairs for all waterlines connected to the City of Leander water distribution system under a service agreement with the City of Jonesetown.

16. Utility Billing

a. Service Fees

The City of Jonestown will need to adopt a service fee schedule. It is recommended that the Jonestown schedule contemplate the Leander fees.

The City of Leander charge fees for connections to their water supply systems. The City of Leander requires a refundable water deposit fee of \$50 per LUE with a minimum fee of \$100 for commercial businesses.

b. Tap Fees/Equity Buy in Fees/Impact Fees

Tap fees for the City of Leander vary depending on water meter size. A 1-inch meter tap fee would be \$800 + the cost of the meter. A 1-1/2-inch meter tap would cost \$1,050 + cost of the meter. A 2-inch meter tap would cost \$1,300 + cost of the meter. Any meter taps 3 inches or larger would be at cost, meaning the actual cost to the City of Leander for the installation of the water service, including the cost of the water meter, the automatic meter reader and the materials, labor, equipment, contract labor, etc. used in providing service. The City of Leander also has set base fees for water taps where service lines have been installed and the city is only required to inspect the connection and install a water meter. A 5/8-inch meter fee would be \$340, a 3/4 inch meter fee would be \$415, a 1-inch meter fee would be \$225 + cost of the meter, a 1-1/2-inch meter fee would be \$250 + cost of the meter, a 2-inch meter fee would be \$275 + cost of the meter and any meters 3 inches or larger would cost \$300.00 + cost of meter. See Exhibit I for City of Leander Tap and Impact Fees.

If the City of Jonestown extends service to the Sterling Classical School Development Area, then the City would need to set fees based on City of Leander fee rates plus set a rate for a percentage of additional fees that would go to the City of Jonestown to cover overhead.

c. Monthly Water Rates and Charges

Monthly water rates are charged based on the water meter size by the City of Leander (See current rates in **Exhibit** G.) Commercial water rates in City of Leander consist of a monthly customer charge plus a consumption charge. The City of Leander charges a base monthly rate of \$43.11 for a 5/8" meter, \$107.78 for a 1" meter, \$344.88 for a 2" meter, \$689.76 for a 3" meter. If larger than a 10" meter is used, the monthly rate is

City of Jonestown Water Service Plan

calculated at \$43.11 per LUE. All commercial water customers of the City of Leander pay a summer conservation rate of \$5.67 for each 1,000 gallons, or part thereof, of metered water usage. Residential rates for water usage City of Leander consist of a monthly customer charge plus a consumption charge. The City of Leander also charges a water reserve charge of \$5 per month per LUE which is established to fund the annual costs, expenses, fees and charges incurred by the City of Leander to reserve an adequate future raw water supply for the city and its citizens.

17. Conclusion

This document has been prepared at the request of the City of Jonestown to investigate extending water service to the proposed Sterling Classical School project. The information provided herein will aid in more complete decisions by the City regarding current and future water extension requests. It is our goal that the policies stated above be substantially adhered to in order to have the least negative impact on the City and its residents, and that the positive attributes and reasons for water service extension may be more easily identified and applied to future decisions regarding City growth.

EXHIBIT A

CITY LIMITS AND ETJ MAP WITH STERLING CLASSICAL SCHOOL LOCATION SHOWN

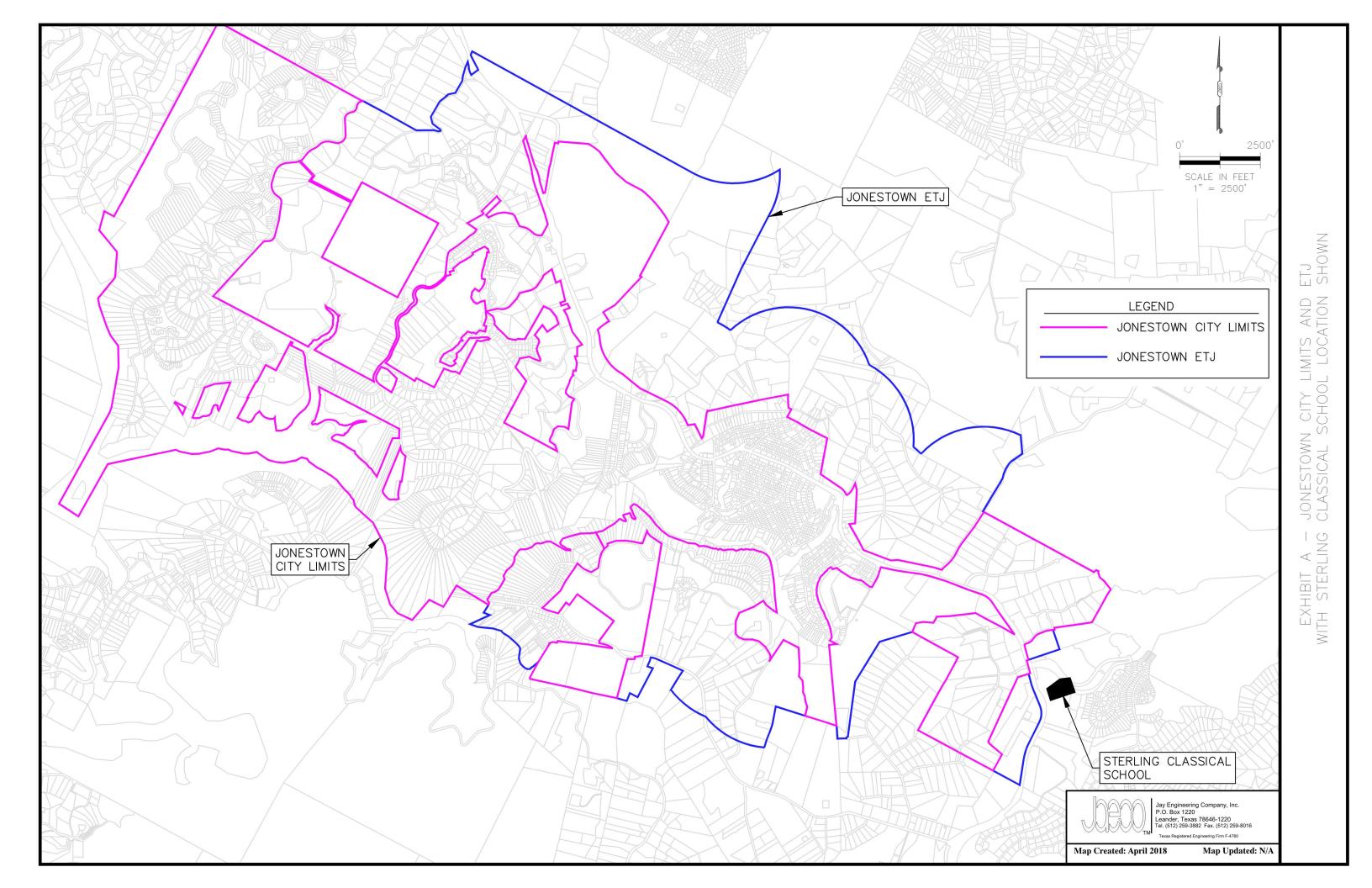


EXHIBIT B

EXISTING CCN AREA FOR JONESTOWN WATER SUPPLY CORPORATION

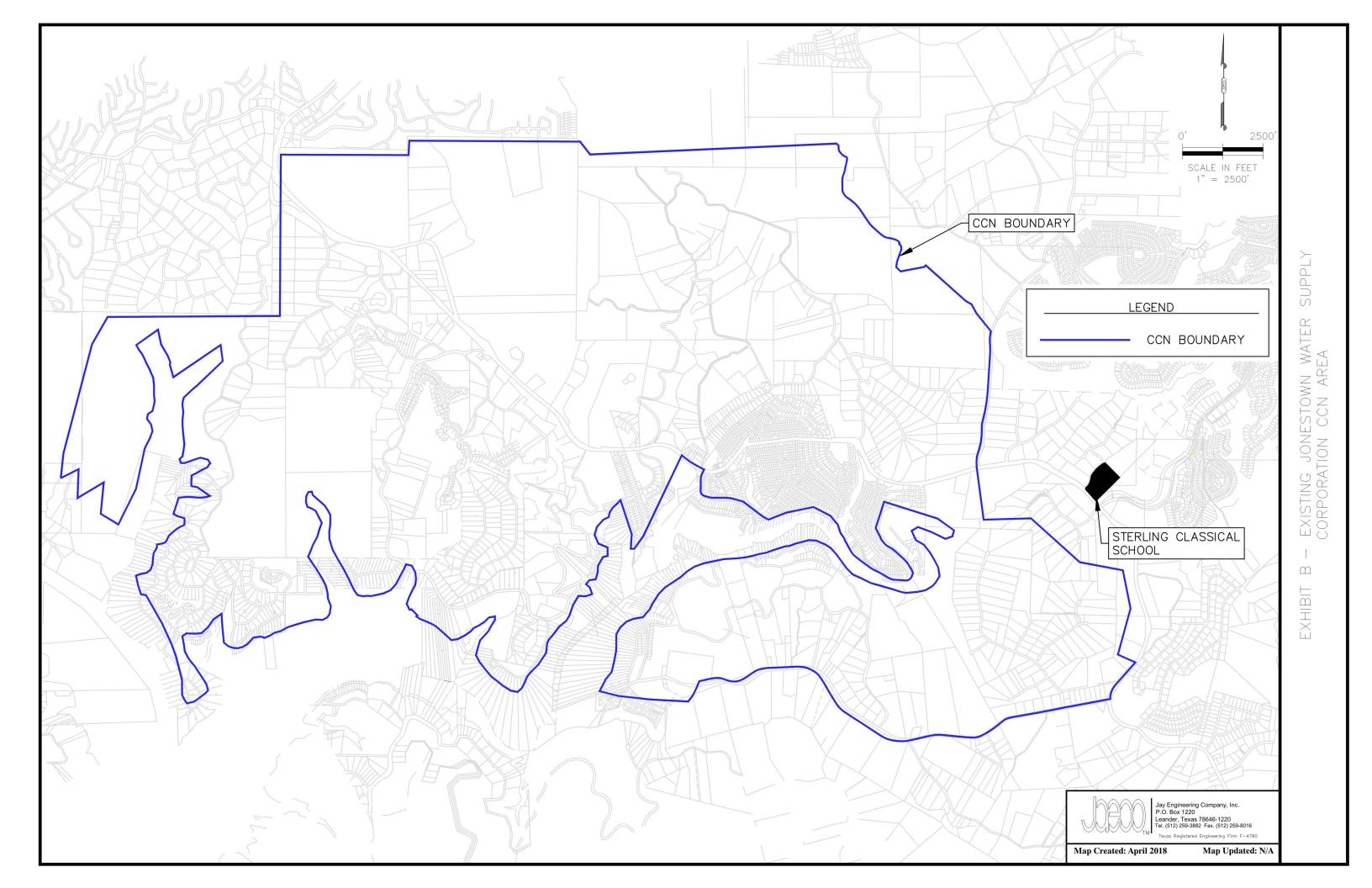


EXHIBIT C

EXISTING CCN AREA FOR JONESTOWN WATER SUPPLY CORPORATION WITH STERLING CLASSICAL SCHOOL LOCATION SHOWN

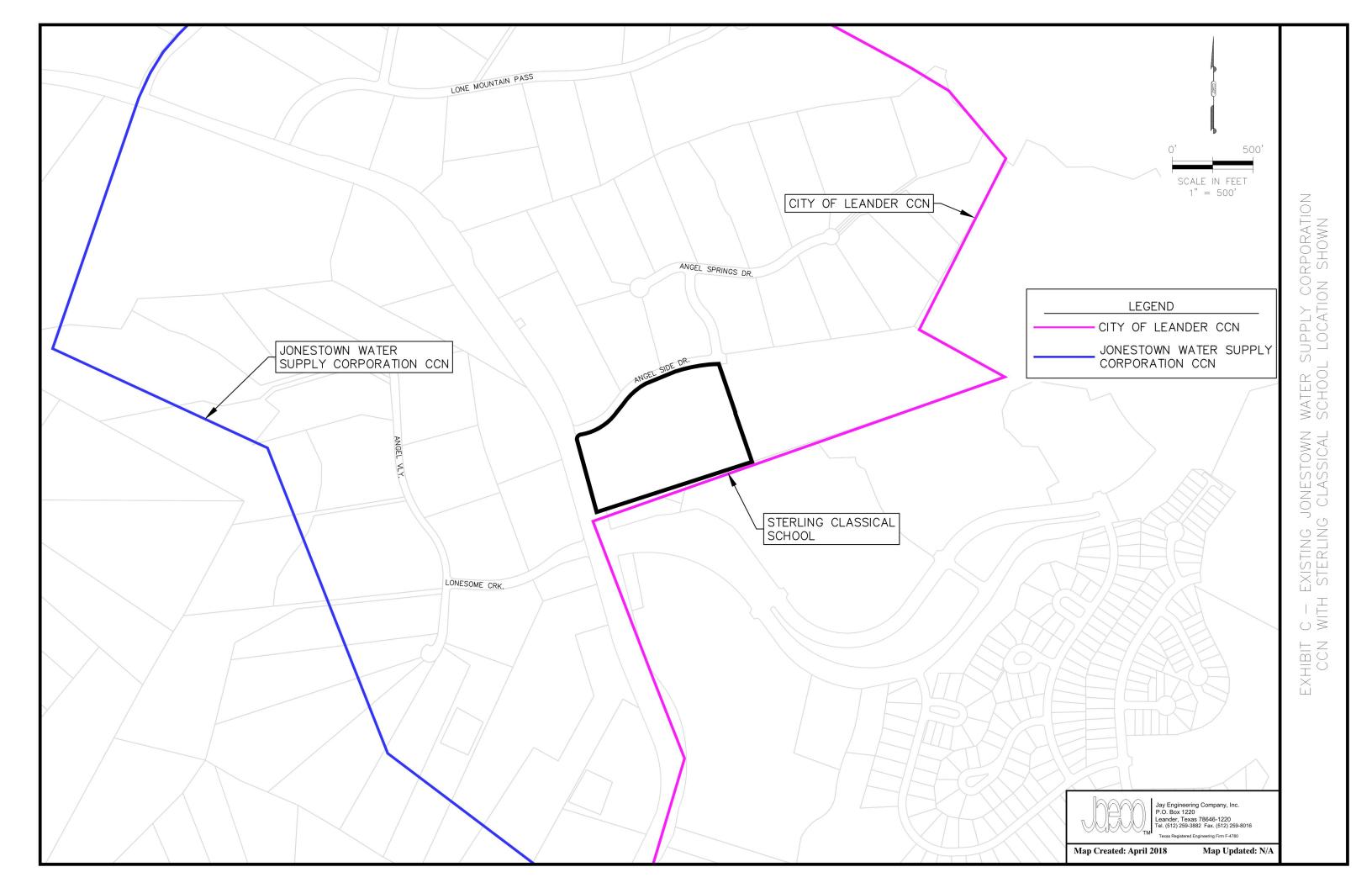


EXHIBIT D

EXISTING LEANDER WATER SUPPLY SYSTEM MAP FOR AREA NEAR STERLING CLASSICAL SCHOOL

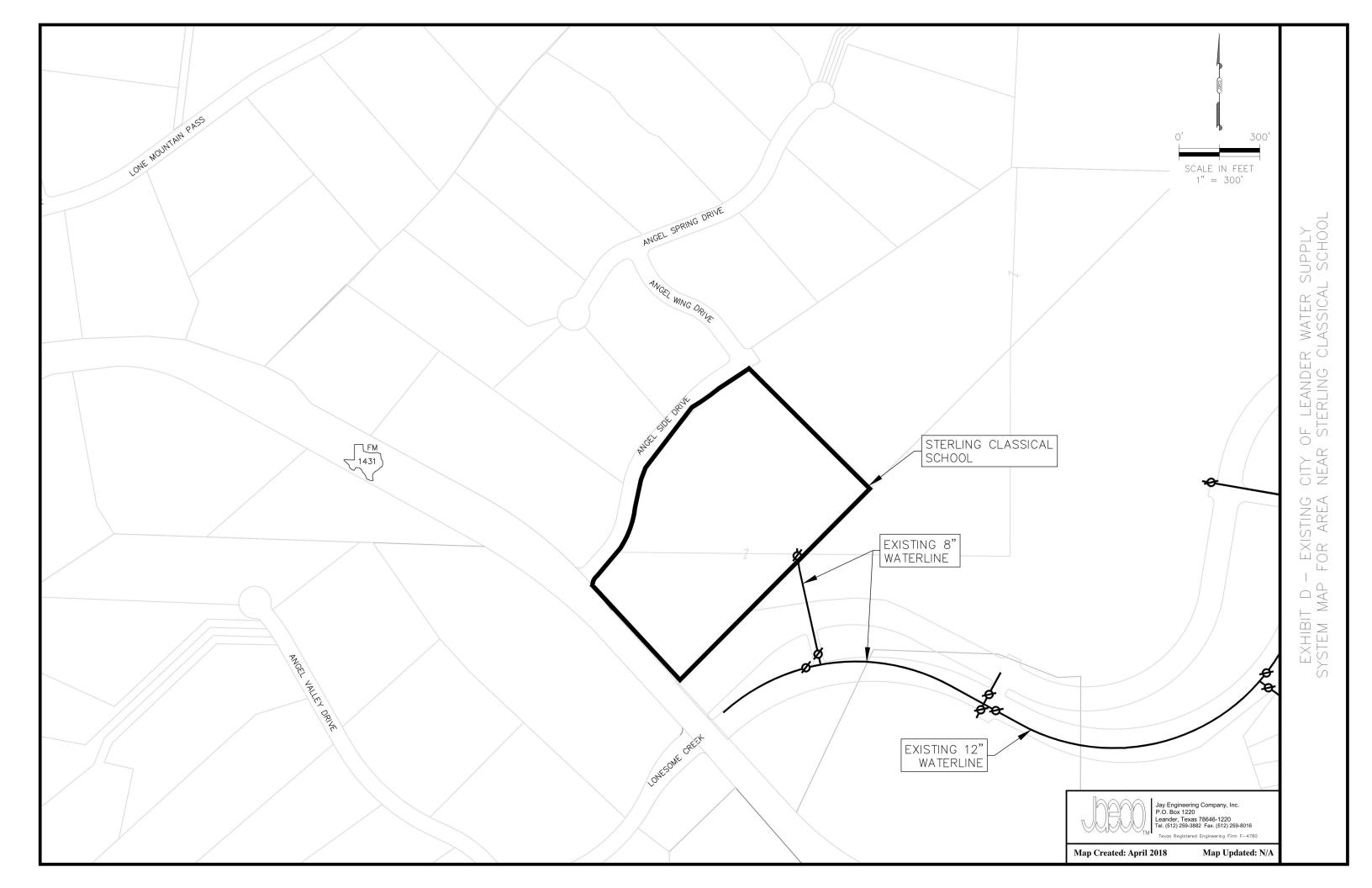
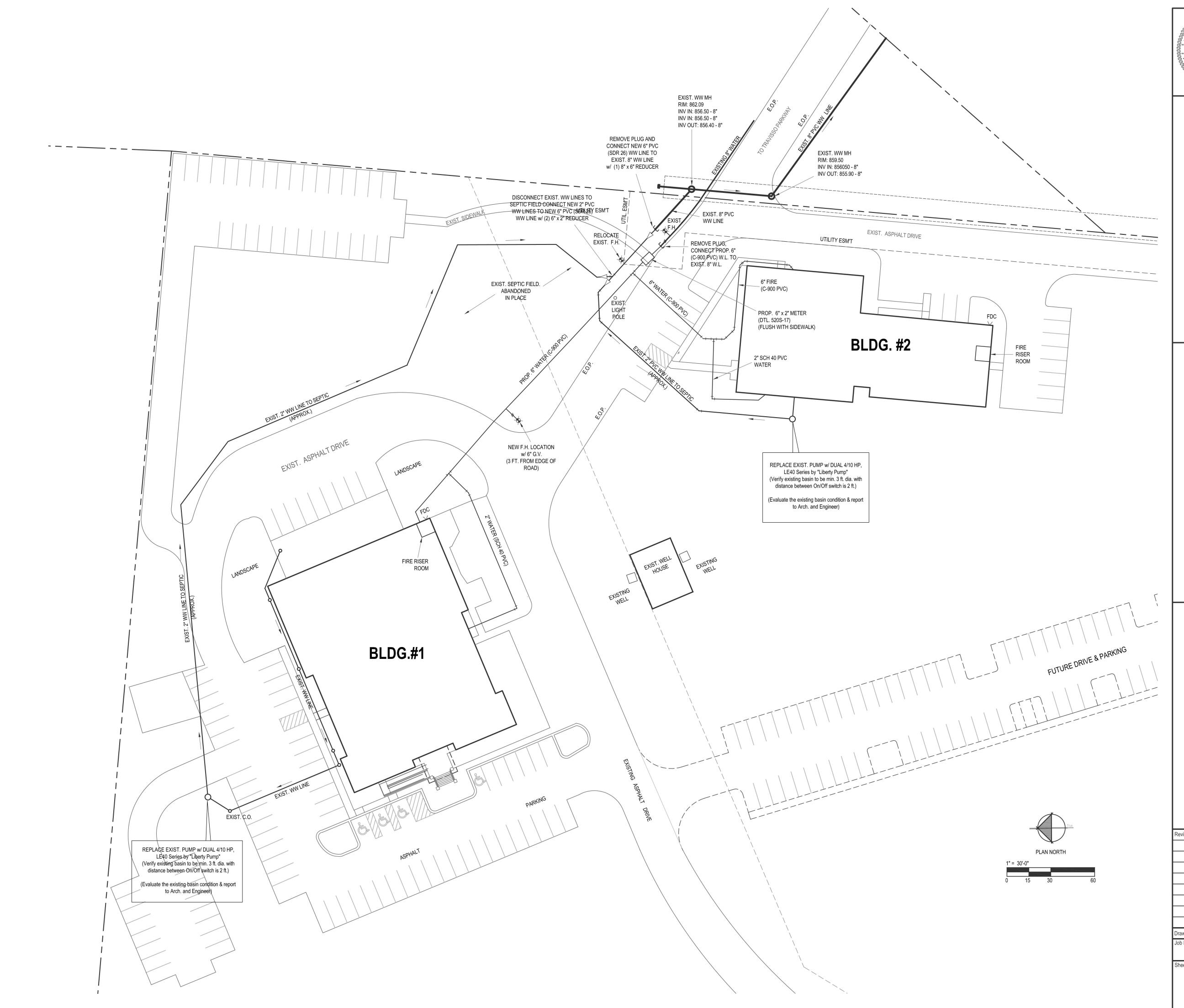
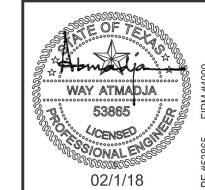


EXHIBIT E

PROPOSED CONNECTION TO TRAVISSO WATER SYSTEM





CONSULTING ENGINEERS, INC

WAY CONSU

Civil & Str

(512) 343-0766

11505 Angus Ro

HOOL e Drive s 78641

STERLING SCHOOL 12800 Angel Side Drive Jonestown, Texas 7864

> ER + WASTEWATER UTILITY PLAN

Revisions/Issues:

rawn by: 0b No. 18107

C1₀ 2

EXHIBIT F

COST ESTIMATE FOR CONNECTION TO TRAVISSO WATER SYSTEM

Texas Registered Engineering Firm F-4780

Engineer's Opinion of Probable Construction Cost

Client: City of Jonestown Job No.: 104-825-10

Project: City of Jonestown Utility Extensions Date Prepared: April 9, 2018

Water Utility Meter Facilities at Leander Take Point

Activity	Unit Pr	ice	Materials or of Units	No.	т	otal Cost*
Silt Fencing	\$ 2.00	LF	60	LF	\$	120.00
6" x 2" Water Meter in Vault	\$ 40,000.00	LS	1	LS	\$	40,000.00
Yard Piping	\$ 2,500.00	LS	1	LF	\$	2,500.00
Restoration and Revegetation	\$ 3.00	LF	60	LF	\$	180.00
			Construction	n Total:	\$	43,000.00
			Conting	gency**:	\$	4,000.00

Professional Services (Engineering, Geotechnical, Inspection, Testing)***: \$

6,000.00

53,000.00

Project Total: \$

Date Printed: 4/24/2018

Notes:

- Project cost does not include ROW/Easement acquisition or legal costs.
- ** Contingency factor is 10% of construction cost for budgetary purposes.
- *** Professional services factor is 15% of construction cost for budgetary purposes.

The above "Opinion of Probable Construction Cost" is made by a professional engineer, not a construction estimator. The accuracy of construction costs cannot be guaranteed.

EXHIBIT G

CITY OF LEANDER RATES AND FEES

ARTICLE A7.000 UTILITY RATES AND CHARGES

Sec. A7.001 Water deposit

The following water deposit fees shall be paid for each meter prior to connection to the system, which deposit is refundable at the termination of service:

- (1) Single-family residential and duplex is \$100.00 per LUE.
- (2) Non-single-family and non-duplex residential meters shall be calculated based upon a rate of \$50.00 per LUE, but not be less than \$100.00.
- (3) Municipal, public schools, and other governmental: No charge.

(2003 Code, app. A, sec. 6.100)

(4) Temporary fire hydrant installation: Actual replacement cost of meter plus an amount not to exceed \$100.00. (Ordinance 12-039-00, sec. 2, adopted 8/2/12)

Sec. A7.002 Water rates and charges

- (a) <u>Water rates</u>. The fees, charges and rates for water service from the city shall be as provided in this section. The city manager is authorized to establish billing policies to provide for prorating the monthly customer base charges.
 - (1) <u>Commercial rates</u>. Commercial rates shall consist of a monthly customer charge plus a consumption charge.
 - (A) <u>Customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$43.11
3/4 inch	1.0	\$43.11
1 inch	2.5	\$107.78
1-1/2 inch	5.0	\$215.55
2 inch	8.0	\$344.88

3 inch	16.0	\$689.76
4 inch	25.0	\$1,077.75
6 inch	50.0	\$2,155.50
8 inch	80.0	\$3,448.80
10 inch	115.0	\$4,957.65

The monthly customer charge for water customers requiring a meter size larger than 10 inches shall be calculated as \$43.11 per LUE.

- (B) <u>Water consumption charge; summer conservation rate</u>. All commercial water customers of the city shall pay a consumption charge of \$5.65 for each one thousand (1,000) gallons, or part thereof, of metered water usage; except that the city council may hereafter amend this section from time to time to establish summer conservation rates for the period from June 1st through September 30th of each year.
- (2) <u>School rates</u>. School water rates shall consist of a monthly customer charge plus a consumption charge.
 - (A) <u>Customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$43.11
3/4 inch	1.0	\$43.11
1 inch	2.5	\$107.78
1-1/2 inch	5.0	\$215.55
2 inch	8.0	\$344.88
3 inch	16.0	\$689.76
4 inch	25.0	\$1,077.75
6 inch	50.0	\$2,155.50
8 inch	80.0	\$3,448.80
10 inch	115.0	\$4,957.65

The monthly customer charge for water customers requiring a meter size larger than 10 inches shall be calculated as \$43.11 per LUE.

- (B) <u>Water consumption charge; summer conservation rate</u>. All school water customers of the city shall pay a consumption charge of \$5.65 for each one thousand (1,000) gallons, or part thereof, of metered water usage; except that the city council may hereafter amend this section from time to time to establish summer conservation rates for the period from June 1st through September 30th of each year.
- (3) <u>Municipal rates</u>. Municipal water rates shall consist of a monthly customer charge plus a consumption charge.
 - (A) <u>Customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$43.11
3/4 inch	1.0	\$43.11
1 inch	2.5	\$107.78
1-1/2 inch	5.0	\$215.55
2 inch	8.0	\$344.88
3 inch	16.0	\$689.76
4 inch	25.0	\$1,077.75
6 inch	50.0	\$2,155.50
8 inch	80.0	\$3,448.80
10 inch	115.0	\$4,957.65

The monthly customer charge for water customers requiring a meter size larger than 10 inches shall be calculated as \$43.11 per LUE.

(B) <u>Water consumption charge</u>; <u>summer conservation rates</u>. All municipal customers of the city shall pay a consumption charge of \$5.65 for each one thousand (1,000) gallons, or part thereof, of metered water usage; except that the city council may hereafter amend this section from time

to time to establish summer conservation rates for the period from June 1 through September 30 of each year.

- (4) <u>Single-family residential and duplex rates</u>. Single-family residence and duplex water rates shall consist of a monthly customer charge plus a consumption charge.
 - (A) <u>Single-family and duplex customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$37.35
3/4 inch	1.0	\$37.35
1 inch	2.5	\$93.38
1-1/2 inch	5.0	\$186.75
2 inch	8.0	\$298.80
3 inch	16.0	\$597.60
4 inch	25.0	\$933.75
6 inch	50.0	\$1,867.50
8 inch	80.0	\$2,988.00
10 inch	115.0	\$4,295.25

The monthly customer charge for water customers requiring a meter size larger than 10 inches shall be calculated as \$37.35 per LUE.

- (B) <u>Water consumption charge; summer conservation rates</u>. All single-family residence and duplex water customers of the city shall pay a consumption charge of \$4.91 for each one thousand (1,000) gallons, or part thereof, of metered water usage; except that the city council may hereafter amend this section from time to time to establish summer conservation rates for the period from June 1 through September 30 of each year.
- (5) <u>Multifamily and apartment rates</u>. Multifamily (other than duplex) and apartment water rates shall consist of a monthly customer charge plus a consumption charge.

(A) <u>Customer charge for multifamily and apartments</u>. The monthly customer charge for multifamily and apartments shall be by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$43.11
3/4 inch	1.0	\$43.11
1 inch	2.5	\$107.78
1-1/2 inch	5.0	\$215.55
2 inch	8.0	\$344.88
3 inch	16.0	\$689.76
4 inch	25.0	\$1,077.75
6 inch	50.0	\$2,155.50
8 inch	80.0	\$3,448.80
10 inch	115.0	\$4,957.65

The monthly customer charge for water customers requiring a meter size larger than 10 inches shall be calculated as \$43.11 per LUE.

- (B) <u>Water consumption charge; summer conservation rate</u>. All apartment water customers of the city shall pay a consumption charge of \$5.65 for each one thousand (1,000) gallons, or part thereof, of metered water usage; except that the city council may hereafter amend this section from time to time to establish summer conservation rates for the period from June 1 through September 30 of each year.
- (6) <u>Golf course rates</u>. Golf course water rates shall consist of a monthly customer charge plus a consumption charge.
 - (A) <u>Customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$43.11

3/4 inch	1.0	\$43.11
1 inch	2.5	\$107.78
1-1/2 inch	5.0	\$215.55
2 inch	8.0	\$344.88
3 inch	16.0	\$689.76
4 inch	25.0	\$1,077.75
6 inch	50.0	\$2,155.50
8 inch	80.0	\$3,448.80
10 inch	115.0	\$4,957.65

The monthly customer charge for water customers requiring a meter size larger than 10 inches shall be calculated as \$43.11 per LUE.

- (B) <u>Water consumption charge; summer conservation rates</u>. The golf course consumption charge shall be \$5.65 for each one thousand (1,000) gallons, or part thereof, of metered water usage; except that the city council may hereafter amend this section from time to time to establish summer conservation rates for the period from June 1st through September 30th of each year.
- (7) Water reserve charge. A monthly water reserve charge is hereby established to fund the annual costs, expenses, fees and charges incurred by the city to reserve an adequate future raw water supply for the city and its citizens. The monthly water reserve charge shall be \$5.00 per living unit equivalent (LUE) of water service available for each water connection and such \$5.00 water reserve charge shall be included and listed as a separate line item on each monthly water bill. The number of LUEs for each water tap and connection to the water system shall be determined in the same manner as the number of LUEs of required water service is determined pursuant to the capital recovery/impact fee ordinance of the city.

(8) Fire hydrants.

(A) The city manager, or designee, may issue permits authorizing companies and individuals to take water from city fire hydrants. The permits shall set forth the terms and conditions for taking water from

city fire hydrants. No company or individual shall take water from a city fire hydrant without first obtaining a permit from the city manager.

- (B) The water rate for water taken from a city fire hydrant shall consist of a monthly customer charge plus a consumption charge and be the same as that charged for commercial two-inch meters.
- (9) <u>Standard meter size</u>. The city's standard meter size is 5/8" meter. A customer may not voluntarily elect to install a 3/4" meter unless the applicable building or plumbing code requires the larger size. Meters greater than 3/4" are allowed to be installed at the customer's request subject to approval by the building department.

(10) <u>Compound meters</u>.

- (A) The monthly customer water charge based upon meter size will correspond to the larger meter size in a compound meter except as provided in subsection (B).
- (B) If approved by the building official and the fire marshal, a compound meter may be installed and utilized to meet fire code fire suppression requirements. In such cases, the monthly customer charge will be based upon the meter size necessary to meet building code requirements excluding fire suppression requirements as calculated by a licensed professional engineer's report provided by the applicant and approved by the building official.
- (C) A monthly maintenance fee of \$79.25 will be applied to any account with a compound meter approved for use for fire suppression in subsection (B).
- (11) Outside city limit rates. For customer accounts located outside the city limits, the applicable rate will be ten percent (10%) greater than the comparable inside city limit rate for the same customer class and meter size.

(Ordinance 18-003-00 adopted 1/18/18)

- (b) Water reinstatement service charge: \$40.00 (includes reconnection).
- (c) New service charge: Inside/outside the corporate city limits: \$20.00.
- (d) Returned check charge: \$30.00.

(2003 Code, app. A, sec. 6.200)

- (e) <u>Late charge</u>: 10% of the total due, but not less than \$10.00. (Ordinance 12-039-00, sec. 2, adopted 8/2/12)
- (f) <u>Collection agency fee</u>: 30% of the delinquent utility account referred to a third-party collection agency.
- (g) Meter tampering fee: \$50.00.

(2003 Code, app. A, sec. 6.200)

Sec. A7.003 Utility reinstatement fee

Except as may be provided by <u>article 13.03</u> of the Code of Ordinances, a \$40.00 reinstatement fee shall be applied to any utility account subject to being disconnected. A utility account shall not be reinstated prior to the past-due balance of said account, including the reinstatement fee, being paid in full. (Ordinance 12-039-00, sec. 2, adopted 8/2/12)

Sec. A7.004 Additional fees and rates

In addition to the fees set forth above, the city shall charge the following fees and rates for the services provided when such services are requested by a water or wastewater customer:

- (1) Meter test fee: \$50.00.
- (2) New service charge: \$20.00.
- (3) <u>Disabled or age 65 or older discount</u>: Persons that are disabled or sixty-five years of age and older shall receive a ten percent (10%) discount on both the monthly customer charge and the monthly consumption charge for residential water service provided to a single housing unit occupied by such disabled person or senior citizen. Such discount shall be applicable only to water delivered through a water meter that serves one living unit.

(2003 Code, app. A, sec. 6.400)

Sec. A7.005 Wastewater service

The fees, charges and rates for wastewater service from the city shall be as provided in this section. The city manager is authorized to establish billing policies to provide for prorating the monthly customer base charges.

(1) Commercial rates.

(A) <u>Customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$15.94
3/4 inch	1.0	\$15.94
1 inch	2.5	\$39.85
1-1/2 inch	5.0	\$79.70
2 inch	8.0	\$127.52
3 inch	16.0	\$255.04
4 inch	25.0	\$398.50
6 inch	50.0	\$797.00
8 inch	80.0	\$1,275.20
10 inch	115.0	\$1,833.10

The monthly customer charge for customers requiring a meter size larger than 10 inches shall be calculated as \$15.94 per LUE.

- (B) <u>Consumption charge</u>. Annually during the month of March, the city shall compute the monthly average water usage for each water customer, based upon the consumption billed in the months of December, January and February, hereinafter called the winter quarter averaging.
 - (i) For commercial customers served by the city water system, the wastewater consumption charge shall be calculated as \$3.10 for each one thousand gallons, or part thereof, of the winter quarter averaging usage.
 - (ii) For customers not served by the city water system, the wastewater consumption charge shall be calculated as \$3.10 for each one thousand gallons, or part thereof, of the winter quarter

(2) School rates.

(A) <u>Customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$12.96
3/4 inch	1.0	\$12.96
1 inch	2.5	\$32.40
1-1/2 inch	5.0	\$64.80
2 inch	8.0	\$103.68
3 inch	16.0	\$207.36
4 inch	25.0	\$324.00
6 inch	50.0	\$648.00
8 inch	80.0	\$1,036.80
10 inch	115.0	\$1,490.40

The monthly customer charge for customers requiring a meter size larger than 10 inches shall be calculated as \$12.96 per LUE.

- (B) <u>Consumption charge</u>. Annually during the month of March, the city shall compute the monthly average water usage for each water customer, based upon the consumption billed in the months of December, January and February, hereinafter called the winter quarter averaging usage.
 - (i) For customers served by the city water system, the wastewater consumption charge shall be calculated as \$2.52 for each one thousand gallons, or part thereof, of the winter quarter averaging usage.
 - (ii) For customers not served by the city water system, the wastewater consumption charge shall be calculated as \$2.52 for each one thousand gallons, or part thereof, of the winter quarter

(3) <u>Municipal rates</u>.

(A) <u>Customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$15.94
3/4 inch	1.0	\$15.94
1 inch	2.5	\$39.85
1-1/2 inch	5.0	\$79.70
2 inch	8.0	\$127.52
3 inch	16.0	\$255.04
4 inch	25.0	\$398.50
6 inch	50.0	\$797.00
8 inch	80.0	\$1,275.20
10 inch	115.0	\$1,833.10

The monthly customer charge for customers requiring a meter size larger than 10 inches shall be calculated as \$15.94 per LUE.

- (B) <u>Consumption charge</u>. Annually during the month of March, the city shall compute the monthly average water usage for each water customer, based upon the consumption billed in the months of December, January and February, hereinafter called the winter quarter averaging usage.
 - (i) For customers served by the city water system, the wastewater consumption charge shall be calculated as \$3.10 for each one thousand gallons, or part thereof, of the winter quarter averaging usage.
 - (ii) For customers not served by the city water system, the wastewater consumption charge shall be calculated as \$3.10 for each one thousand gallons, or part thereof, of the winter quarter

- (4) Single-family residential and duplex rates.
 - (A) <u>Customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$14.58
3/4 inch	1.0	\$14.58
1 inch	2.5	\$36.45
1-1/2 inch	5.0	\$72.90
2 inch	8.0	\$116.64
3 inch	16.0	\$233.28
4 inch	25.0	\$364.50
6 inch	50.0	\$729.00
8 inch	80.0	\$1,166.40
10 inch	115.0	\$1,676.70

The monthly customer charge for customers requiring a meter size larger than 10 inches shall be calculated as \$14.58 per LUE.

- (B) <u>Consumption charge</u>. Annually during the month of March, the city shall compute the monthly average water usage for each water customer, based upon the consumption billed in the months of December, January and February, hereinafter called the winter quarter averaging usage.
 - (i) For customers served by the city water system, the wastewater consumption charge shall be calculated as \$2.84 for each one thousand gallons, or part thereof, of the winter quarter averaging usage.
 - (ii) For customers not served by the city water system, the wastewater consumption charge shall be calculated as \$2.84 for each one thousand gallons, or part thereof, of the winter quarter

(5) <u>Multifamily and apartment rates</u>.

(A) <u>Customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$15.94
3/4 inch	1.0	\$15.94
1 inch	2.5	\$39.85
1-1/2 inch	5.0	\$79.70
2 inch	8.0	\$127.52
3 inch	16.0	\$255.04
4 inch	25.0	\$398.50
6 inch	50.0	\$797.00
8 inch	80.0	\$1,275.00
10 inch	115.0	\$1,833.10

The monthly customer charge for customers requiring a meter size larger than 10 inches shall be calculated as \$14.13 per LUE.

- (B) <u>Consumption charge</u>. Annually during the month of March, the city shall compute the monthly average water usage for each water customer, based upon the consumption billed in the months of December, January and February, hereinafter called the winter quarter averaging usage.
 - (i) For customers served by the city water system, the wastewater consumption charge shall be calculated as \$2.75 for each one thousand gallons, or part thereof, of the winter quarter averaging usage.
 - (ii) For customers not served by the city water system, the wastewater consumption charge shall be calculated as \$2.75 for each one thousand gallons, or part thereof, of the winter quarter

(6) Golf course rates.

(A) <u>Customer charge</u>. The monthly customer charge shall be determined by the size of each water meter converted into living unit equivalents (LUEs) as follows:

Water Meter Size	LUEs	Monthly Customer Charge
5/8 inch	1.0	\$15.94
3/4 inch	1.0	\$15.94
1 inch	2.5	\$39.85
1-1/2 inch	5.0	\$79.70
2 inch	8.0	\$127.52
3 inch	16.0	\$255.04
4 inch	25.0	\$398.50
6 inch	50.0	\$797.00
8 inch	80.0	\$1,275.20
10 inch	115.0	\$1,833.10

The monthly customer charge for customers requiring a meter size larger than 10 inches shall be calculated as \$15.94 per LUE.

- (B) <u>Consumption charge</u>. Annually during the month of March, the city shall compute the monthly average water usage for each water customer, based upon the consumption billed in the months of December, January and February, hereinafter called the winter quarter averaging usage.
 - (i) For customers served by the city water system, the wastewater consumption charge shall be calculated as \$3.10 for each one thousand gallons, or part thereof, of the winter quarter averaging usage.
 - (ii) For customers not served by the city water system, the wastewater consumption charge shall be calculated as \$3.10 for each one thousand gallons, or part thereof, of the winter quarter

- (7) <u>Collection agency fee</u>. 30% of the delinquent utility account referred to a third-party collection agency.
- (8) <u>Disabled and age 65 or older discount</u>. Persons that are disabled or sixty-five years of age and older shall receive a ten percent (10%) discount on both the monthly customer charge and the monthly consumption charge for residential wastewater service provided to a single housing unit that is occupied by such disabled person or senior citizen. Such discount is applicable only to wastewater service provided to one living unit with separately metered water.
- (9) <u>Tampering with wastewater collection system fee</u>. \$50.00.
- (10) <u>Compound meters</u>. The monthly customer wastewater charge for customer accounts with compound meters shall be similar to and consistent with <u>section A7.002(a)(9)</u> above but excluding any additional maintenance fee.

(Ordinance 18-003-00 adopted 1/18/18)

Sec. A7.006 Gas service

(a) Reconnect charge. In addition to the charges and rates set out in <u>article 13.06</u> of the Code of Ordinances, the company shall charge and collect the sum of:

Schedule	<u>Charge</u>
8 a.m. to 5 p.m. Monday through Friday	\$25.00
5 p.m. to 8 a.m. Monday through Friday	\$40.00
Saturdays, Sundays and holidays	\$40.00

as a reconnect charge for each reconnection or reinauguration of gas service, where service has been discontinued at the same premises for any reason, with the following exceptions:

(1) For a builder who uses gas temporarily during construction or for display purposes;

- (2) For the first occupant of the premises;
- (3) Whenever gas service has been temporarily interrupted because of system outage, service work or appliance installation done by the company; or
- (4) For any reason deemed necessary for company operations.
- (b) <u>Returned check charge</u>. A returned check handling charge of twenty-five dollars (\$25.00) is made for each check returned to the company for reasons of nonsufficient funds, account closed, payment withheld, invalid signature, or improper preparation.
- (c) <u>Collection charge</u>. A charge of thirty dollars (\$30.00) shall be made for each instance when it is necessary for a company employee to go to a customer's residence or place of business in order to collect amounts owed the company for gas service previously rendered. This charge shall not apply if service is terminated at the time of the collection action. This charge shall apply to only one (1) trip on the same amount owed.

(2003 Code, app. A, secs. 6.600–6.800)

Sec. A7.007 Water and wastewater tap fees

- (a) Any person, association of persons, or corporation that requests a water main tap, water meter or water meter loop be removed, installed, or relocated by the utility department shall pay in advance the applicable fees required in this section.
- (b) Fees and charges are hereby established to defray the costs and expenses incurred by the city to connect structures and property to the city water and wastewater systems. The fees and charges established in this section shall be in addition to any and all other costs, fees and charges established by ordinance for obtaining water or wastewater service, including, but not limited to, impact and capital recovery fees and security deposits.
 - (1) <u>Water tap schedule</u>. The following schedule of charges is hereby established and will be charged and collected prior to each tap or connection to the city water system:
 - (A) Except as otherwise provided in this subsection (b), where service lines must be installed and a water meter set by the city, the tap fee shall be:

Water Meter Size	Tap Fee and Charge		
5/8 inch	\$840.00		
3/4 inch	\$940.00		
1-inch	\$800.00 + cost of meter		
1-1/2 inch	\$1,050.00 + cost of meter		
2 inch	\$1,300.00 + cost of meter		
3 inch and above	At cost*		

- * "At cost" means the actual cost to the city for the installation of the water or wastewater service, including the cost of the water meter and the automatic meter reader and the labor, materials, equipment, contract labor, etc., used in providing the service in accordance with the policy of the city.
- (i) All installations requiring a street cut shall require an additional \$1,000.00 fee for a two-lane roadway and \$500.00 for each additional lane thereafter.
- (ii) Street boring shall be done at cost.
- (B) Except as otherwise provided in this subsection (b), where service lines have been installed and the city is only required to inspect the connection and install a water meter, the tap fee shall be:

Water Meter Size	Tap Fee and Charge		
5/8 inch	\$340.00		
3/4 inch	\$415.00		
1 inch	\$225.00 + cost of meter		
1-1/2 inch	\$250.00 + cost of meter		
2 inch	\$275.00 + cost of meter		
3 inch and above	\$300.00 + cost of meter		

(C) The fees set forth in subsections (A) and (B) above are exclusive of the cost of backflow prevention devices, which shall be installed and tested at the customer's expense, when and as required by the city. The

actual cost of such devices together with the cost of installation and testing shall be paid by the customer.

- (D) Automatic meter readers (AMR) shall be installed with any water meter that is installed after the effective date of the ordinance from which this subsection derives, at the customer's expense. Tap fees that are a flat rate only include the actual cost of the AMR and its installation. For tap fees that are a flat rate plus the "cost of meter," the actual cost of the AMR and its installation shall be included in the "cost of meter" component of the tap fee.
- (2) <u>Wastewater tap schedule</u>. The following schedule of charges is hereby established and will be charged and collected prior to each tap or connection to the city wastewater system:
 - (A) Where service lines must be installed set by the city, the tap fee shall be \$750.00. All installations requiring a street cut shall require an additional \$850.00 fee for a two-lane roadway and \$425.00 for each additional lane.
 - (B) Boring to streets shall be done at cost. "At cost" means the actual cost to the city for the installation of the water or wastewater service, including the cost of the water meter and the automatic meter reader and the labor, materials, equipment, contract labor, etc., used in providing the service in accordance with the policy of the city.
 - (C) Where service lines have been installed, and the city is only required to inspect the connection, the tap fee shall be \$100.00.

(2003 Code, app. A, sec. 6.900)

Sec. A7.008 Collection and disposal of refuse

- (a) Residential curbside refuse collection.
 - (1) The contractor will provide curbside collection service of residential refuse and waste to each residential unit subject to the following rates and fees:
 - (A) One time per week (one cart): \$16.66.
 - (B) One time per week (two carts): \$24.99.

- (C) One time per week (more than two carts): \$8.33 for each additional cart, in addition to the rate charged for two carts in subsection (a)(1)(B).
- (D) An additional one-time annual fee in the amount of \$1.00 shall be assessed to each residential service unit account in March of each year to fund city cleanup and waste collection programs.
- (2) Customers age 65 and greater or disabled contracting for one cart pickup shall receive a ten percent (10%) discount. No additional discount shall be provided to senior citizens or disabled customers that use more than one cart.
- (3) Such service shall be provided by the use of 95-gallon cart containers supplied by the contractor. The prices include the curbside collection of up to five (5) additional containers, bags and bundles of residential refuse on each pickup/service day.

(Ordinance 18-003-00 adopted 1/18/18)

- (b) <u>Commercial refuse collection</u>. The contractor will provide collection service of commercial refuse and waste for multifamily dwellings, apartment projects, and commercial and industrial customers as follows:
 - (1) Commercial hand pickup customers will be supplied with the same type of cart containers as are residential units. The same curbside policy and bulk items policy will also apply to this category. The rates and charges for customers in this category are as follows:
 - (A) Collection once per week (one cart): \$20.00.
 - (B) Collection once per week (two carts): \$32.65.
 - (C) Collection twice per week (one cart): \$36.33.
 - (2) Commercial customers producing a volume of refuse, garbage and waste in excess of 190 gallons per week will, at the contractor's discretion, be served as follows:
 - (A) Collection and disposal service to customers will be provided with dumpsters provided and maintained by the contractor according to the following:

Size	lx/wk.	2x/wk.	3x/wk.	4x/wk.	5x/wk.
2 yd.	\$51.60	\$92.15	\$131.54	\$170.96	\$213.71
3 yd.	\$55.20	\$98.57	\$140.81	\$182.87	\$228.59
4 yd.	\$73.20	\$130.72	\$186.73	\$242.51	\$303.13
6 yd.	\$91.20	\$162.85	\$232.64	\$302.14	\$377.68
8 yd.	\$112.80	\$201.43	\$287.76	\$373.72	\$467.15
10 yd.	\$132.00	\$235.72	\$336.73	\$437.32	\$546.65

(B) The following rates and fees shall be applicable to commercial customers and others requiring service at a level in excess of the highest level provided above to be made available with dumpsters. These services will be via temporary roll-off containers.

(i) Temporary dumpster roll-off service.

	20 Yard	30 Yard	40 Yard
Delivery fee	\$125.00	\$125.00	\$125.00
Haul charge	\$225.00	\$225.00	\$225.00
Daily rental**	\$3.00	\$3.00	\$3.00
Tonnage fee*	Williamson County Landfill Gate Rate	Williamson County Landfill Gate Rate	Williamson County Landfill Gate Rate
*3-ton minimum charge			
**Daily rental begins after 14 days			

(ii) Commercial permanent and/or city roll-off service.

	20 Yard	30 Yard	40 Yard
Delivery fee	NC	NC	NC
Haul charge	\$225.00	\$225.00	\$225.00
Daily rental	NC	NC	NC
Tonnage fee*	Williamson County	Williamson County	Williamson County

	Landfill Gate Rate	Landfill Gate Rate	Landfill Gate Rate			
*3-ton minimum charge						

- (c) Manufacturing/assembly plant special waste.
 - (1) Haul charge: \$225.00.
 - (2) Disposal cost determined based on type of special waste.
 - (3) Actual rate at designated disposal facility determined by customer.
- (d) <u>Wastewater sludge</u>.
 - (1) Haul charge: \$225.00.
 - (2) Disposal cost: Actual rate at designated disposal facility determined by customer.
- (e) <u>Tires</u>. Upon verification of payment and receipt for a prepaid charge equal to the landfill rates for disposal charged to the contractor, the contractor agrees to pick up two (2) automobile type tires per residential unit per pickup.
- (f) Annual cleanup. For no charge the contractor will, twice a year, provide six (6) roll-off containers to be dumped three (3) times each. At a location designated by the city, the contractor and the city will set up a manned and supervised citizen drop-off site that accepts refuse, construction material, bulk items (white goods), and brush and other yard waste. Also, as part of this cleanup effort, water-based or latex paints will be included. Batteries and used oil that will be accepted at the landfill the contractor uses will be collected. Material not accepted at the landfill will not be accepted at the cleanup site. This service is for verified city residents only, and only for the cleanup day.
- (g) <u>Bulk waste, construction debris and stable matter; hazardous waste</u>. The contractor will provide for the special collection from residential units of bulky waste not eligible for curbside pickup, for a negotiated cost based on the above rates for dumpster or roll-off containers, as applicable. Construction debris and stable matter will be hauled at a rate to be determined by container size. The contractor and the producer of the waste will negotiate the total charge prior to collection. The contractor will not provide for the special collection of hazardous waste.

(h) Service to city facilities. All city municipal locations shall be served with either a 95-gallon container or an appropriate sized dumpster, at no charge. If roll-off containers are required for any use, other than the citywide cleanups, the contractor will provide such services with discounted rates appropriate to the job size and duration. If the city elects to have the contractor haul sludge from the city's wastewater treatment plant(s), the fee for such service will be \$225.00 per haul, plus disposal costs.

(Ordinance 14-012-00 adopted 3/20/14)

Sec. A7.009 Wholesale wastewater service area fees

- (a) A system reservation fee in the amount of \$350.00 per LUE, according to the LUE chart adopted by Ordinance No. 02-053-04, set forth in this section shall be paid at the time of submission of an application for approval of a preliminary plat for property located in the wholesale wastewater service area, as that area is defined in section 1 of the subdivision ordinance. The payment of the system reservation fee will guarantee capacity in the Liberty Hill wastewater treatment plant and will fix the connection fee to the amount in effect at the time of payment of the system reservation fee.
- (b) A connection fee in the amount set forth in this section shall be paid at the time that an application for a building permit is submitted, or for land for which a building permit is not required, at the time that an application for connection to the city's wastewater system is submitted for a property located in the wholesale wastewater service area, as that area is defined in section 1 of the subdivision ordinance:
 - (1) \$1,550.00 per LUE, according to the LUE chart adopted by Ordinance No. 02-053-04 and on file with the city secretary's office; provided that if system reservation fees were paid in connection with a preliminary plat for the subdivision in which the property is located, the connection fee shall be \$1,200.00 per LUE.
 - (2) For those properties connecting to the one of the lift stations, as that term is defined in the wholesale wastewater services agreement between the City of Leander and the City of Liberty Hill dated effective as of June 4, 2015, an additional connection fee of \$1,400.00 per LUE according to the LUE chart adopted by Ordinance No. 02-053-04 and on file with the city secretary's office.

(Ordinance 15-036-00, sec. 9, adopted 7/2/15)

Sec. A7.010 Cross-connection and backflow prevention program

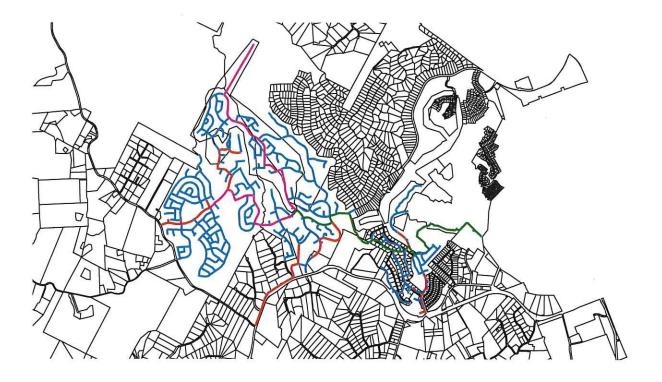
- (a) Bulk hydrant meter testing fee: \$200.00.
- (b) Fee for installation or repair of backflow assembly by third party: 100% of actual cost of installation plus a 10% administrative charge.
- (c) Fee for testing of backflow assembly by city: \$200.00.
- (d) Deposit for water meters and backflow assembly: \$1,000.00.

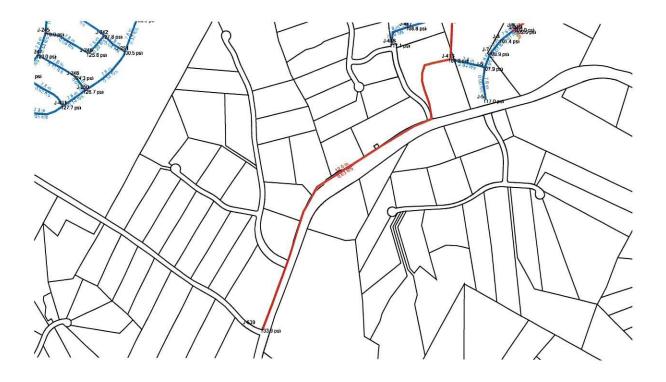
(Ordinance 17-056-00, sec. 3, adopted 8/11/17)

EXHIBIT H

WATER MODEL OUTPUT

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Current Time Step: 0.000Hr FlexTable: Pipe Table

		PERMINENTAL VIOLENCE PROPERTY AND PROPERTY OF THE PERMINENT PROPERTY PROPERTY OF THE PERMINENT PROPERTY PRO	**************************************	***************************************		APRIL IPPROVIDENTE ERALANTE LE VALUETTE ALIANANE ANNUA	ord or producer should be supported by the support	***************************************	**************************************
Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen- Williams C	Flow (gpm)	Velocity (ft/s)	Is Open?
P-612	19	J-436	J-169	12.0	PVC	150.0	2,388	6.77	True
P-669	65	J-470	J-415	7.8	PVC	150.0	922	6.26	True
P-619	53	J-440	J-389	7.8	PVC	150.0	-894	6.00	True
P-312	582	J-206	J-265	16.5	Ductile Iron	120.0	3,733	5.60	True
P-505	874	J-265	J-389	16.5	Ductile Iron	120.0	3,714	5.57	True
P-668	145	J-470	J-204	16.5	Ductile Iron	120.0	3,644	5.47	True
P-237	634	J-204	J-206	16.5	Ductile Iron	120.0	3,262	4.89	True
P-613	278	J-436	J-221	7.8	PVC	150.0	715	4.85	True
P-138	189	J-125	J-126	16.5	Ductile Iron	120.0	-3,126	4.69	True
P-626	297	J-443	J-126	16.5	Ductile Iron	120.0	3,126	4.69	True
P-187	1,096	J-146	J-167	16.5	Ductile Iron	120.0	3,109	4.66	True
P-611	309	J-167	J-436	16.5	Ductile Iron	120.0	3,103	4.66	True
P-163	487	J-146	J-130	16.5	Ductile Iron	120.0	-2,977	4.47	True
P-357	285	J-305	J-307	24.9	Ductile Iron	120.0	6,752	4.45	True
P-358	227	J-307	J-308	24.9	Ductile Iron	120.0	6,752	4.45	True
P-424	600	J-358	J-359	24.9	Ductile Iron	120.0	-6,752	4.45	True
P-726	4,521	J-305	J-358	24.9	Ductile Iron	120.0	-6,752	4.45	True
P-359	39	J-308	J-309	24.9	Ductile Iron	120.0	6,740	4.44	True
P-360	390	J-309	J-310	24.9	Ductile Iron	120.0	6,740	4.44	True
P-588	703	J-428	J-380	12.0	PVC	150.0	1,545	4.38	True
P-486	420	J-380	J-364	12.0	PVC	150.0	1,500	4.26	True
P-623	582	J-442	J-125	7.8	PVC	150.0	-631	4.23	True
P-625	1,167	J-389	J-443	16.5	Ductile Iron	120.0	2,820	4.23	True
P-141	715	J-128	J-129	16.5	Ductile Iron	120.0	2,809	4.22	True
P-142	279	J-129	J-130	16.5	Ductile Iron	120.0	2,809	4.22	True
P-379	564	J-310	J-322	24.9	Ductile Iron	120.0	6,381	4.20	True
P-402	361	J-322	J-285	24.9	Ductile Iron	120.0	6,330	4.17	True
P-334	230	J-283	J-285	24.9	Ductile Iron	120.0	-6,125	4.05	True
P-715	283	J-279	J-498	24.9	Ductile Iron	120.0	-6,101	4.02	True
P-716	276	J-498	J-280	24.9	Ductile Iron	120.0	-6,101	4.02	True
P-708	1,517	J-270	J-493	24.9	Ductile Iron	120.0	6,090	4.01	True
P-711	54	J-279	J-495	24.9	Ductile Iron	120.0	6,090	4.01	True
P-718	750	J-495	J-500	24.9	Ductile Iron	120.0	6,090	4.01	True
P-719	104	J-500	J-270	24.9	Ductile Iron	120.0	6,090	4.01	True
P-709	697	J-493	J-86	24.9	Ductile Iron	120.0	6,084	4.01	True
P-547 P-227	387 330	J-86	J-32	24.9	Ductile Iron	120.0	6,065	4.00	True
P-333	824	J-171 J-284	J-200 J-280	7.8	PVC	150.0	593	3.98	True
P-706	49	J-204 J-492	J-260 J-32	24.9	Ductile Iron	120.0	5,850	3.85	True
P-700	76	J-492 J-283	J-32 J-502	24.9 24.9	Ductile Iron	120.0	-5,826	3.84	True
P-722	302	J-502	J-502 J-284		Ductile Iron	120.0	5,786	3.81	True
P-262	4	J-302 J-169		24.9 12.0	Ductile Iron PVC	120,0	5,786	3.81	True
P-146	1,112 367	J-109 J-128	J-227 J-125	12.0 16.5	Ductile Iron	150.0	1,339	3.80	True
P-705	348	J-25	J-125 J-492	24.9	Ductile Iron	120.0 120.0	-2,485 5,839	3.73	True
P-587	29	J-252	J-428	12.0	PVC		-5,628 1,204	3.71	True
P-23	417	J-252 J-25	J-426 J-26	24.9	Ductile Iron	150.0 120.0	1,204	3,42	True
P-296	720	J-227	J-252	12.0	PVC	150.0	4,831 1,114	.3.18 3.16	True
P-96	363	J-91	J-26	24.9	Ductile Iron	120.0	-4,796	3.16	True
P-94	107	J-89	J-90	24.9	Ductile Iron	120.0	-4,769	3.14	True True
P-95	268	J-90	J-91	24.9	Ductile Iron	120.0	-4,769	3.14	True
P-93	589	J-88	J-89	24.9	Ductile Iron	120.0	-4,745	3.14	True
P-498	40	J-386	T-3	30.0	Ductile Iron	120.0	-6,752	3.13	True
P-501	96	J-386	J-387	30.0	Ductile Iron	120.0	6,752	3.06	True
P-499	32	J-359	J-387	30.0	Ductile Iron	120.0	-6,752	3.06	True
P-92	574	J-87	J-88	24.9	Ductile Iron	120.0	-4 ,571	3.01	True
P-667	400	J-87	J-470	24.9	Ductile Iron	120.0	4,565	3.01	True
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P-620	801	J-401	J-440	7.8	PVC	150.0	-442	3.00	True
P-190	206	J-169	J-170	12.0	PVC	150.0	1,049	2.98	True
P-191	306	J-170	J-171	12.0	PVC	150.0	1,032	2.93	True
P-157	609	J-141	J-142	7.8	PVC	150.0	-4 12	2.76	True
P-618	836	J-142	J-440	7.8	PVC	150.0	-412	2.76	True
P-256	364	J-221	J-222	7.8	PVC	150.0	396	2.66	True
P-774	171	J-452	J-537	7.8	PVC	150.0	-371	2.52	True
P-775	989	J-537	J-453	7.8	PVC	150.0	-371	2.52	True
P-236	370	J-204	J-205	7.8	PVC	150.0	363	2.44	True
P-140	121	J-127	J-128	7.8	PVC	150.0	361	2.42	True
P-147 P-156	1,249	J-127	J-134	7.8	PVC	150.0	-361	2.42	True
P-156 P-645	121 629	J-134 J-205	J-141	7.8	PVC	150.0	-361	2.42	True
P-627	368	J-205 J-443	J-457 J-400	7.8	PVC	150.0	351	2.38	True
P-636	442	J-443 J-451	J-452	7.8	PVC PVC	150.0	-339	2.30	True
P-658	855	J-442	J-463	7.8 7.8	PVC	150.0	-338	2,30	True
P-768	869	J-533	J-463	7.8	PVC	150.0 150.0	337	2.29	True
P-481	753	J-378	J-25	12.0	PVC	150.0	-337 -768	2.29 2.18	True
P-331	1,144	J-281	J-283	7.8	PVC	150.0	-313	2.10	True
P-407	106	J-19	J-15	12.0	PVC	150.0	735	2.10	True True
P-480	1,124	J-19	J-378	12.0	PVC	150.0	-735	2.08	True
P-12	233	J-14	J-15	12.0	PVC	150.0	-721	2.05	True
P-555	442	J-6	J-413	7.8	PVC	150.0	300	2.04	True
P-261	701	J-226	J-221	7.8	PVC	150.0	-302	2.03	True
P-4	199	J-6	J-7	7.8	PVC	150.0	-300	2.01	True
P-5	209	J-7	J-8	7.8	PVC	150.0	-300	2.01	True
P-6	233	J-8	J-9	7.8	PVC	150.0	-300	2.01	True
P-229	305	J-199	J-200	7.8	PVC	150.0	-296	1.99	True
P-643	214	J-207	J-457	7.8	PVC	150.0	-296	1.99	True
P-635	587	J-444	J-451	7.8	PVC	150.0	-292	1.98	True
P-238 P-264	512 467	J-206	J-207	7.8	PVC	150.0	-287	1.93	True
P-329	366	J-228 J-280	J-229 J-281	7.8	PVC	150.0	285	1.92	True
P-208	319	J-185	J-281 J-186	7.8 7.8	PVC PVC	150.0	-274	1.84	True
P-219	481	J-192	J-172	7.8	PVC	150.0 150.0	-272	1.83	True
P-579	580	J-229	J-253	7.8	PVC	150.0	-267 261	1.79 1.77	True
P-228	579	J-200	J-178	7.8	PVC	150.0	259	1.74	True True
P-593	305	J-188	J-430	7.8	PVC	150.0	252	1.69	True
P-258	324	J-222	J-224	7.8	PVC	150.0	248	1.67	True
P-209	325	J-186	J-178	7.8	PVC	150.0	-239	1.61	True
P-610	355	J-228	J-226	7.8	PVC	150.0	-234	1.59	True
P-207	282	J-184	J-185	7.8	PVC	150.0	-235	1.58	True
P-90	499	J-83	J-32	7.8	PVC	150.0	-229	1.54	True
P-624	252	J-132	J-442	7.8	PVC	150.0	-226	1.53	True
P-753	628	J-171	J-524	7.8	PVC.	150.0	228	1.53	True
P-112 P-86	400 379	J-102	J-103	7.8	PVC	150.0	217	1.46	True
P-217	1,262	J-82 J-188	J-83 J-192	7.8 7.8	PVC PVC	150.0	-216	1.45	True
P-549	209	J-14	J-409	12.0	PVC	150.0 150.0	-215	1.44	True
P-638	138	J-453	J-97	7.8	PVC	150.0	507 -214	1.44	True
P-105	524	J-97	J-14	7.8	PVC	150.0	-214 -214	1.44 1.44	True True
P-550	930	J-409	J-9	12.0	PVC	150.0	506	1.44	True
P-144	762	J-131	J-132	7.8	PVC	150.0	-212	1.43	True
P-206	586	J-183	J-184	7.8	PVC	150.0	-212	1.42	True
P-628	543	J-206	J-444	7.8	PVC	150.0	-206	1.40	True
P-533	679	J-401	J-400	7.8	PVC	150.0	206	1.40	True
P-508	234	J-217	J-391	16.5	Ductile Iron	120.0	-922	1.38	True
P-563	404	J-416	J-391	16.5	Ductile Iron	120.0	922	1.38	True
P-670	162	J-50	J-471	16.5	Ductile Iron	120.0	-917	1.38	True
P-671	344	J-471	J-217	16.5	Ductile Iron	120.0	-917	1.38	True
P-335	481	J-285	J-286	7.8	PVC	150.0	203	1.36	True
P-707	349	J-492	J-33	7.8	PVC	150.0	198	1.34	True
P-56 P-244	792 260	J-55	J-56	16.5	Ductile Iron	120.0	890	1.34	True
P-246	107	J-212 J-50	J-52 J-214	16.5 16.5	Ductile Iron	120.0	890	1.34	True
P-436	259	J-212	J-214	16.5	Ductile Iron Ductile Iron	120.0 120.0	890 -890	1.34	True
P-437	320	J-55	J-52	16.5	Ductile Iron	120.0	-890 -890	1.34 1.34	True True
l l		STATE OF THE STATE	I			1 .25.5	- 550	1.54	itue

P-754										
P-754 789 J-524 J-172 7.8 PVC 150.0 168 1.33 Thus P-562 276 J-426 J-187 7.8 PVC 150.0 -182 1.30 Thus P-565 501 J-461 J-157 7.8 PVC 150.0 -182 1.30 Thus P-666 346 J-438 J-171 7.8 PVC 150.0 -182 1.30 Thus P-674 445 J-419 J-224 7.8 PVC 150.0 -182 1.29 Trus P-574 445 J-419 J-224 7.8 PVC 150.0 -182 1.29 Trus P-573 2834 J-400 J-401 7.8 PVC 150.0 -182 1.29 Trus P-575 2834 J-400 J-190 7.8 PVC 150.0 -184 1.25 Trus P-776 28 J-429 J-190 7.8 PVC 150.0 -186 1.24 Trus P-776 28 J-479 J-508 7.8 PVC 150.0 180 1.22 Trus P-776 28 J-879 J-508 7.8 PVC 150.0 180 1.22 Trus P-776 28 J-879 J-508 7.8 PVC 150.0 180 1.22 Trus P-776 28 J-879 J-508 7.8 PVC 150.0 180 1.22 Trus P-776 S. P.	Ì	J 308	J-435	J-230	1 78	I PVC	150.0	1 400	1 400	l -
P-443	P-754									
P-562 275 J-426 J-429 7.8 PVC 150.0 -192 1.50 1.92 1.50 1.94 1.50 1.94 1.50 1.94 1.50 1.94 1.50 1.94 1.50 1.94 1.50 1.94 1.50 1.94 1.50 1.94 1.50 1.94 1										
P-656 501 J-461 J-471 T-78 PVC 1500 -183 1.29 True P-674 446 J-419 J-224 T-78 PVC 1500 -182 1.29 True P-674 446 J-419 J-224 T-78 PVC 1500 -182 1.29 True P-675 269 J-429 J-190 T-78 PVC 1500 -180 1.28 True P-676 269 J-429 J-190 T-78 PVC 1500 160 1.22 True P-780 26 PMP-9 J-508 T-8 PVC 1500 160 1.22 True P-780 35 J-310 PMP-9 T-8 PVC 1500 180 1.22 True P-781 35 J-310 PMP-10 T-8 PVC 1500 180 1.22 True P-782 38 PMP-10 J-508 T-8 PVC 1500 180 1.22 True P-782 38 PMP-10 J-508 T-8 PVC 1500 178 1.21 True P-786 666 J-525 J-438 T-8 PVC 1500 178 1.21 True P-786 666 J-525 J-438 T-8 PVC 1500 178 1.21 True P-895 290 J-56 J-438 T-8 PVC 1500 178 1.21 True P-896 290 J-56 J-435 T-8 PVC 1500 178 1.19 True P-896 290 J-56 J-435 T-8 PVC 1500 160 1.21 True P-896 290 J-56 J-435 T-8 PVC 1500 163 1.10 True P-896 290 J-56 J-435 T-8 PVC 1500 163 1.10 True P-896 290 J-56 J-435 T-8 PVC 1500 163 1.10 True P-896 290 J-56 J-435 T-8 PVC 1500 163 1.10 True P-896 290 J-56 J-435 J-450 T-8 PVC 1500 163 1.10 True P-896 290 J-56 J-435 J-436 T-8 PVC 1500 163 1.10 True P-896 290 J-56 J-56 T-8 PVC 1500 165 1.09 True P-896 290 J-56 J-56 T-8 PVC 1500 165 1.09 True P-896 290 J-56 J-56 T-8 PVC 1500 165 1.09 True P-896 290 J-56 J-56 T-8 PVC 1500 165 1.09 True P-896 290 J-56 J-56 J-56 T-8 PVC 1500 165 1.09 True P-896 290 J-56 J-56 J-56 T-8 PVC 1500 150 105 106 True P-896 290 J-56 J-56 J-56 T-76 PVC 1500 150 106 True P-896 290 J-56 J-56 J-56 T-76 PVC 1500 149 J-76 True P-896 290										
P-616										
P-574										
P-552										
P-591 269 J-429 J-190 T.8 PVC 150.0 -168 1.25 True P-779 23 J-310 PMP-9 7.8 PVC 150.0 180 1.22 True P-780 26 PMP-9 J-508 7.8 PVC 150.0 180 1.22 True P-781 35 J-310 PMP-10 7.8 PVC 150.0 178 1.21 True P-782 38 PMP-10 J-508 7.8 PVC 150.0 178 1.21 True P-782 38 PMP-10 J-508 7.8 PVC 150.0 178 1.21 True P-895 296 J-56 J-438 7.8 PVC 150.0 -180 1.21 True P-895 296 J-56 J-485 7.8 PVC 150.0 -180 1.21 True P-895 296 J-56 J-438 7.8 PVC 150.0 174 1.11 True P-896 P-896 J-86 J-87 7.8 PVC 150.0 174 1.11 True P-896 J-88 J-83 J-84 PVC 150.0 162 1.09 True P-896 J-86 To J-146 PMP-7 18.6 Duclile fron 20.0 -822 1.09 True P-220 334 J-187 J-194 7.8 PVC 150.0 -162 1.09 True P-131 362 J-103 J-104 7.8 PVC 150.0 -157 1.08 True P-131 362 J-103 J-104 7.8 PVC 150.0 -157 1.08 True P-131 362 J-103 J-104 7.8 PVC 150.0 -157 1.00 True P-226 482 J-198 J-199 7.8 PVC 150.0 -157 1.00 True P-855 369 J-424 J-426 7.8 PVC 150.0 -151 1.01 True P-855 369 J-424 J-426 7.8 PVC 150.0 -151 1.01 True P-863 319 J-227 J-318 J-324 7.8 PVC 150.0 -148 1.01 True P-863 319 J-227 J-333 J-33							150.0			
P-779										
P-780										
P-761 35						PVC				
P-752 38										
P-756										
P-685										
P-336										
P-607										
P-38							150.0			
P-770							150.0			
P-566 76						L EVC				
P-220										
P-131				5 10.1100						
P-103										
P-637 372 J-96								-/UD		
P-113 382 J-103 J-104 True P-441 803 J-117 J-120 16.5 Ductile Iron 120.0 681 1.02 True P-755 890 J-173 J-525 7.8 PVC 150.0 -152 1.02 True P-724 482 J-198 J-199 7.8 PVC 150.0 -151 1.01 True P-744 379 J-428 J-183 12.0 PVC 150.0 -148 1.01 True P-586 369 J-424 J-426 7.8 PVC 150.0 -148 1.01 True P-589 201 J-428 J-183 12.0 PVC 150.0 -148 1.01 True P-603 241 J-230 J-433 7.8 PVC 150.0 341 0.96 True P-633 319 J-227 J-228 7.8 PVC 150.0 143 0.96 True P-683 319 J-227 J-228 7.8 PVC 150.0 143 0.96 True P-682 319 J-233 J-243 7.8 PVC 150.0 142 0.96 True P-682 196 J-367 J-481 7.8 PVC 150.0 139 0.94 True P-682 196 J-367 J-481 7.8 PVC 150.0 139 0.94 True P-692 196 J-481 J-70 16.5 Ductile Iron 120.0 -689 0.91 True P-578 534 J-420 J-222 7.8 PVC 150.0 -126 0.87 True P-732 190 J-507 J-508 7.8 PVC 150.0 -121 0.82 True P-589 282 J-191 J-430 7.8 PVC 150.0 -121 0.82 True P-589 477 J-399 J-153 7.8 PVC 150.0 -121 0.82 True P-589 282 J-191 J-430 7.8 PVC 150.0 -121 0.82 True P-589 387 J-508 J-523 7.8 PVC 150.0 -121 0.82 True P-589 380 J-508 J-513 7.8 PVC 150.0 -121 0.82 True P-682 477 J-399 J-153 7.8 PVC 150.0 -121 0.82 True P-683 840 J-202 J-199 7.8 PVC 150.0 -121 0.81 True P-684 721 J-153 J-461 7.8 PVC 150.0 -121 0.81 True P-681 299 J-78 PVC 150.0 -110 0.74 True P-681 299 J-78 PVC 150.0 -100 0.72 True P-681 299 J-78 PVC 150.0 -100 0.72 True P-684 349 J-480 J-	P-637									
P-441 803	P-113									
P-755	P-441	803								
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P-193					7.8	PVC				
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P-549										
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P-561 50 1445 PMD 7 240 P 221 0.03 True	P-789									
1 120.0 922 0.61 True										
					24.5	Pacific Holl	120.0	922	0.61	True

1 1	379	J-189	J-190	7.8	PVC	150.0	90	0.61	True I
P-81	675	J-78	J-79	16.5					True
					Ductile Iron	120.0	403	0.60	True
P-297	336	J-252	J-253	7.8	PVC	150.0	-90	0.60	True
P-408	35	J-9	J-349	12.0	PVC	150.0	206	0.58	True
P-766	205	J-115	J-533	12.0	PVC	150.0	-205	0.58	True
P-676	308	J-475	J-78	7.8	PVC	150.0			
P-225						150,0	-85	0.58	True
	304	J-198	J-195	7.8	PVC	150.0	84	0.57	True
P-694	291	J- 9 9	J-71	7.8	PVC	150.0	83	0.57	True
P-742	1,546	J-284	J-517	7.8	PVC	150.0	-84	0.56	True
P-43	291	J-39 .	J-43	7.8	PVC	150.0	83	0.55	True
P-772	425	J-535	J-232	7.8	PVC	150.0	82		
P-72	238	J-71	J-72					0.55	True
				7.8	PVC	150.0	82	0.55	True
P-73	300	J-72	J-73	7.8	PVC	150.0	82	0.55	True
P-773	65	J-227	J-536	7.8	PVC	150.0	80	0.54	True
P-111	451	J-79	J-102	, 16.5	Ductile Iron	120.0	356	0.53	True
P-301	120	J-256	J-253	7.8	PVC	150.0	-80	0.53	
P-729	1,211	J-507	J-296		PVC				True
				7.8		150.0	77	0.52	True
P-265	659	J-228	J-230	7.8	PVC	150.0	76	0.51	True
P-211	330	J-187	J-188	7.8	PVC	150,0	76	0.51	True
P-273	209	J-236	J-233	7.8	PVC	150.0	76	0.51	True
P-285	450	J-244	J-245	7.8	PVC	150.0	76	0.51	True
P-452	968	J-202	J-194	7.8	PVC	150.0			
P-602	291	J-432					75	0.50	True
		J-432	J-233	7.8	PVC	150.0	74	0.49	True
P-696	773	J-485	J-58	7.8	PVC	150.0	71	0.48	True
P-351	656	J-300	J-302	7.8	PVC	150.0	71	0.47	True
P-167	382	J-105	J-150	7.8	PVC	150.0	70	0.47	True
P-629	386	J-444	J-445	7.8	PVC	150.0	66	0.45	True
P-287	290	J-245	J-247	7.8	PVC	150.0			
P-210							66	0,44	True
	514	J-186	J-187	7.8	PVC	150.0	-66	0.44	True
P-575	353	J-238	J-419	7.8	PVC	150.0	-65	0.44	True
P-124	516	J-114	J-115	12.0	PVC	150.0	-154	0.44	True
P-303	992	J-256	J-258	7.8	PVC	150.0	65	0.43	True
P-743	418	J-517	J-288	7.8	PVC	150.0	64	0.43	
P-347	391	J-296	J-298	7.8	PVC				True
						150.0	-64	0.43	True
P-295	440	J-251	J-241	7.8	PVC	150.0	-63	0.42	True
P-536	458	J-253	J-403	7.8	PVC	150.0	62	0.42	True
P-284	271	J-244	J-232	7.8	PVC	150.0	-61	0.41	True
P-751	559	J-299	J-523	7.8	PVC	150.0	-61	0.41	True
P-686	854	J-367	J-68	7.8	PVC	150.0	59	0.40	
P-281	740	J-242	J-243	7.8	PVC				True
P-687	175					150,0	-58	0.39	True
		J-478	J-68	7.8	PVC	150.0	-57	0.39	True
P-123	594	J-113	J-114	12.0	PVC	150.0	-135	0.38	True
P-272	353	J-235	J-236	7.8	PVC	150.0	57	0,38	True
P-762	632	J-530	J-367	7.8	PVC	150.0	-56	0.38	True
P-767	790	J-533	J-146	12.0	PVC	150.0	132	0.37	True
P-601	249	J-235	J-432	7.8	PVC	150.0	55	0.37	
P-750	471	J-522	J-198	7.8	PVC				True
						150.0	-55	0.37	True
P-65	1,850	J-62	J-65	7.8	PVC	150.0	54	0.36	True
P-345	274	J-295	J-296	12.0	PVC	150.0	-125	0.35	True
P-344	29 2	J-294	J-295	12.0	PVC	150.0	-122	0.34	True
P-292	706	J-250	J-251	7.8	PVC	150.0	-51	0.34	True
P-348	334	J-298	J-299	7.8	PVC	150.0	50	0.34	
P-675	289	J-474	J-475	7.8	PVC				True
						150.0	-49	0.33	True
P-693	279	J-480	J-484	7.8	PVC	150.0	-49	0.33	True
P-343	312	J-293	J-294	12.0	PVC	150.0	-116	0.33	True
P-692	439	J-484	J-73	7.8	PVC	150.0	-49	0.33	True
P-608	465	J-435	J-224	7.8	PVC	150,0	-48	0.32	True
P-576	259	J-226	J-420	7.8	PVC	150.0	47	0.32	True
P-342	310	J-292	J-293	12.0	PVC				
						150.0	-110	0.31	True
P-106	1,074	J-58	J-98	7.8	PVC	150.0	46	0.31	True
P-122	3 63	J-112	J-113	12.0	PVC	150.0	-108	0.31	True
P-569	820	J-241	J-418	7.8	PVC	150.0	-45	0.30	True
P-341	108	J-291	J-292	12.0	PVC	150.0	-107	0.30	True
P-630	554	J-445	J-446	7.8	PVC	150.0			
P-385	252	J-327					43	0.30	True
			J-328	7.8	PVC	150.0	44	0.29	True
P-386	257	J-328	J-329	7.8	PVC	150.0	44	0.29	True
P-378	467	J-288	J-321	7.8	PVC	150.0	44	0.29	True
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1 1	365	J-329	J-330	7.8	PVC	i 150.0 i	43	0.29	True
P-388	288	J-330	J-331	7.8	PVC	150.0	43	0.29	
P-389	169	J-331	J-332	7.8	PVC				True
P-571	638	J-405				150.0	43	0.29	True
			J-418	7.8	PVC	150.0	-43	0.29	True
P-545	456	J-408	J-117	7.8	PVC	150.0	-42	0.29	True
P-531	673	J-103	J-162	7.8	PVC	150.0	42	0.29	True
P-757	814	J-115	J-527	7.8	PVC	150.0	42	0.28	True
P-426	31	J-321	J-361	7.8	PVC	150.0	41	0.27	True
P-429	304	J-361	J-362	7.8	PVC	150.0	41	0.27	True
P-702	710	J-489	J-43	7.8	PVC	150.0	-4 0	0.27	True
P-748	602	J-521	J-238	7.8	PVC	150.0	-39	0.26	
P-283	312	J-243	J-244	7.8	PVC				True
P-121	262	J-106	J-112			150.0	38	0.26	True
				12.0	PVC	150.0	-87	0.25	True
P-647	281	J-458	J-399	7.8	PVC	150.0	-36	0.24	True
P-304	317	J-258	J-259	7.8	PVC	150.0	36	0.24	True
P-372	378	J-291	J-316	12.0	PVC	150.0	84	0.24	True
P-749	474	J-195	J-522	7.8	PVC	150.0	-35	0.24	True
P-786	529	J-523	J-538	7.8	PVC	130.0	35	0.23	True
P-656	354	J-460	J-461	7.8	PVC	150.0	-34	0.23	True
P-761	757	J-69	J-530	7.8	PVC	150.0	-34	0.23	True
P-567	394	J-405	J-241	7.8	PVC	150.0	33	0.22	True
P-489	306	J-317	J-383	12.0	PVC	150.0	78	0.22	
P-599	295	J-246	J-242	7.8	PVC	150.0			True
P-586	620	J-426	J-427		PVC		-33	0.22	True
P-631		J-446		7.8		150.0	32	0.21	True
	1,206		J-447	7.8	PVC	150.0	32	0.21	True
P-290	310	J-249	J-247	7.8	PVC	150.0	-32	0.21	True
P-186	622	J-104	J-166	7.8	PVC	150.0	32	0.21	True
P-433	739	J-39	J-363	7.8	PVC	150.0	32	0,21	True
P-537	333	J-403	J-254	7.8	PVC	150.0	32	0.21	True
P-491	329	J-383	J-384	12.0	PVC	150.0	72	0.20	True
P-241	403	J-209	J-210	7.8	PVC	150.0	30	0.20	True
P-644	682	J-457	J-209	7.8	PVC	150.0	30	0.20	True
P-764	813	J-65	J-532	7.8	PVC	150.0	30	0.20	True
P-116	548	J-106	J-107	12.0	PVC	150.0	69	0.20	
P-674	445	J-81	J-474	7.8	PVC	150.0			True
P-185	521	J-160	J-102				-28	0.19	True
P-447	853			16.5	Ductile Iron	120.0	-122	0.18	True
		J-157	J-160	16.5	Ductile Iron	120.0	-122	0.18	True
P-642	516	J-451	J-456	7.8	PVC	150.0	27	0.18	True
P-677	590	J-475	J-476	7.8	PVC	150.0	27	0.18	True
P-703	1,051	J-489	J-490	7.8	PVC	150,0	27	0.18	True
P-747	266	J-236	J-521	7.8	PVC	150.0	-27	0.18	True
P-605	319	J-432	J-433	7.8	PVC	150,0	-26	0.18	True
P-373	332	J-316	J-317	12.0	PVC	150.0	61	0.17	True
P-659	846	J-442	J-464	7.8	PVC	150.0	26	0.17	True
P-24	70	J-26	J-27	7.8	PVC	150.0	26	0.17	True
P-25	734	J-27	J-28	7.8	PVC	150.0	26	0.17	True
P-391	2,341	J-332	J-334	7.8	PVC	150.0	26	0.17	True
P-234	907	J-43	J-82	7.8	PVC	150.0	24	0.17	
P-406	1,675	J-346	J-348	7.8	PVC	150.0			True
P-428	153	J-362					24	0.16	True
P-539			J-346	7.8	PVC	150.0	24	0.16	True
	569	J-243	J-405	7.8	PVC	150.0	23	0.15	True
P-535	305	J-254	J-402	7.8	PVC	150.0	23	0.15	True
P-664	53	J-466	J-467	7.8	PVC	150.0	23	0.15	True
P-484	2,840	T-4	J-158	16.5	Ductile Iron	120.0	102	0.15	True
P-526	321	J-150	J-396	7.8	PVC	150.0	22	0.15	True
P-740	51	J-515	J-316	7.8	PVC	150.0	-21	0.14	True
P-640	466	J-452	J-454	7.8	PVC	150.0	21	0.14	True
P-704	521	J-38	J-491	7.8	PVC	150.0	21	0.14	True
P-758	479	J-527	J-116	7.8	PVC	150.0	21	0.14	True
P-596	341	J-250	J-431	7.8	PVC	150.0	21		
P-176	421	J-157	J-158	16.5				0.14	True
P-380					Ductile Iron	120.0	-93	0.14	True
	162	J-322	J-323	12.0	PVC	150.0	48	0.14	True
P-311	1,044	J-263	J-258	7.8	PVC	150.0	-20	0.13	True
P-381	194	J-323	J-324	12.0	PVC	150.0	47	0.13	True
P-382	202	J-324	J-325	12.0	PVC	150.0	47	0.13	True
P-120	1,001	J-110	J-111	7.8	PVC	150.0	20	0.13	True
P-543	398	J-118	J-408	7.8	PVC	150.0	-20	0.13	True
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P-739 370 J-317 J-515 7.8 PVC 150.0 1.7 0.111 True P-593 302 J-403 J-404 7.8 PVC 150.0 17 0.111 True P-593 302 J-403 J-404 7.8 PVC 150.0 17 0.111 True P-683 1.030 J-62 J-83 7.8 PVC 150.0 17 0.111 True P-683 1.030 J-62 J-83 7.8 PVC 150.0 17 0.111 True P-63 1.030 J-62 J-83 7.8 PVC 150.0 17 0.111 True P-70 1.000 J-70 J										
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P-447 208	D est									
P-384 227 J-326 J-327 12.0 PVC 150.0 44 0.12 True P-700 317 J-529 J-79 7.8 PVC 150.0 -18 0.12 True P-60 317 J-529 J-437 7.8 PVC 150.0 -18 0.12 True P-60 620 J-59 J-60 7.8 PVC 150.0 -18 0.12 True P-60 620 J-59 J-60 7.8 PVC 150.0 -18 0.12 True P-60 620 J-59 J-60 7.8 PVC 150.0 -18 0.12 True P-69 322 J-68 J-89 7.8 PVC 150.0 -17 0.12 True P-69 322 J-68 J-89 7.8 PVC 150.0 -17 0.12 True P-71 565 J-191 J-185 7.8 PVC 150.0 -17 0.12 True P-739 370 J-317 J-515 7.8 PVC 150.0 -17 0.11 True P-739 370 J-317 J-443 7.8 PVC 150.0 17 0.11 True P-538 382 J-403 J-404 7.8 PVC 150.0 17 0.11 True P-63 3.13 J-67 J-433 7.8 PVC 150.0 17 0.11 True P-63 1.030 J-62 J-63 7.8 PVC 150.0 17 0.11 True P-63 1.030 J-62 J-63 7.8 PVC 150.0 17 0.11 True P-79 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-74 506 J-192 J-193 7.8 PVC 150.0 17 0.11 True P-74 506 J-192 J-193 7.8 PVC 150.0 17 0.11 True P-74 506 J-192 J-193 7.8 PVC 150.0 17 0.11 True P-74 506 J-192 J-193 7.8 PVC 150.0 17 0.11 True P-74 506 J-192 J-193 7.8 PVC 150.0 17 0.11 True P-74 506 J-192 J-193 7.8 PVC 150.0 17 0.11 True P-74 506 J-192 J-193 7.8 PVC 150.0 17 0.11 True P-74 506 J-192 J-193 7.8 PVC 150.0 17 0.11 True P-74 30 30 30 J-31 J-31 J-32 J-34 7.8 PVC 150.0 17 0.11 True P-74 30 30 30 J-314 J-325 J-335 7.8 PVC 150.0 17 0.11 True P-74 30 30 30 J-34									0.13	True
P-383			J-380	J-381	12.0	PVC	150.0	45		
P-384 270 J-326 J-327 12.0 PVC 150.0 44 0.12 True P-60 620 J-59 J-60 7.8 PVC 150.0 18 0.12 True P-61 620 J-59 J-60 7.8 PVC 150.0 18 0.12 True P-61 620 J-59 J-60 7.8 PVC 150.0 18 0.12 True P-61 620 J-59 J-60 7.8 PVC 150.0 18 0.12 True P-61 50.0 J-70 J-71 True P-69 322 J-68 J-69 7.8 PVC 150.0 17 0.12 True P-69 322 J-68 J-69 7.8 PVC 150.0 1-7 0.12 True P-69 322 J-68 J-69 7.8 PVC 150.0 1-7 0.12 True P-69 322 J-69 J-69 7.8 PVC 150.0 1-7 0.12 True P-739 370 J-317 J-515 7.8 PVC 150.0 1-7 0.11 True P-69 320 J-479 J-483 7.8 PVC 150.0 1-7 0.11 True P-69 322 J-479 J-483 7.8 PVC 150.0 1-7 0.11 True P-69 382 J-247 J-248 7.8 PVC 150.0 1-7 0.11 True P-69 31.030 J-62 J-83 7.8 PVC 150.0 1-7 0.11 True P-69 31.030 J-62 J-83 7.8 PVC 150.0 1-7 0.11 True P-838 31.030 J-62 J-83 7.8 PVC 150.0 1-7 0.11 True P-838 340 J-33 J-34 7.8 PVC 150.0 1-7 0.11 True P-838 340 J-33 J-34 7.8 PVC 150.0 1-7 0.11 True P-838 340 J-33 J-34 7.8 PVC 150.0 1-7 0.11 True P-838 340 J-33 J-34 7.8 PVC 150.0 1-7 0.11 True P-838 340 J-33 J-34 7.8 PVC 150.0 1-7 0.11 True P-838 340 J-83 J-34 7.8 PVC 150.0 1-7 0.11 True P-838 340 J-83 J-83 J-83 PVC 150.0 1-7 0.11 True P-838 340 J-83 J-83 J-83 PVC 150.0 1-7 0.11 True P-838 340 J-83 J-83 J-83 PVC 150.0 1-7 0.11 True P-838 340 J-83 J-83 J-83 PVC 150.0 1-7 0.11 True P-838 340 J-83 J-83 J-83 PVC 150.0 1-7 0.11 True P-838 340 J-83 J-83 J-83 PVC 150.0 1-7 0.11 True P-838 340 J-83 J-83 J-83 PVC 150.0 1-7 0.11 True P-838 340 J-83 J-83 J	P-383	227	.l-325							
P-760			1326				450.0			
P-614										
P-60 620 J-59 J-60 T-8 PVC 150.0 -18 0.12 True P-69 322 J-88 J-69 T-8 PVC 150.0 -17 1.2 True P-69 322 J-88 J-69 T-8 PVC 150.0 -17 0.12 True P-69 322 J-88 J-69 T-8 PVC 150.0 -17 0.12 True P-739 370 J-317 J-1515 T-8 PVC 150.0 -17 0.12 True P-739 370 J-317 J-418 T-8 PVC 150.0 -17 0.12 True P-739 370 J-317 J-418 T-8 PVC 150.0 -17 0.11 True P-830 S82 J-403 J-404 T-8 PVC 150.0 17 0.11 True P-838 S82 J-403 J-404 T-8 PVC 150.0 17 0.11 True P-848 T-8 PVC T-90.0 T-7 0.11 True P-848 T-90.0 T-9						PVC		-18		True
P-60			J-200	J-437	7.8	PVC	[150.0 l	18	0.12	True
P-71 505 J-70 J-71 7.8 PVC 150.0 18 0.12 True P-89 322 J-83 J-969 7.8 PVC 150.0 -17 0.12 True P-89 370 J-317 J-515 7.8 PVC 150.0 -17 0.12 True P-890 262 J-479 J-483 7.8 PVC 150.0 -17 0.11 True P-890 262 J-479 J-483 7.8 PVC 150.0 17 0.11 True P-898 362 J-403 J-404 7.8 PVC 150.0 17 0.11 True P-898 J-937 J-247 J-248 7.8 PVC 150.0 17 0.11 True P-898 J-937 J-247 J-248 7.8 PVC 150.0 17 0.11 True P-898 J-930 J-83 J-83 7.8 PVC 150.0 17 0.11 True P-898 J-930 J-33 J-34 7.8 PVC 150.0 17 0.11 True P-898 J-930 J-931 J-92 7.8 PVC 150.0 17 0.11 True P-97 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-97 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-97 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-304 403 J-281 J-282 7.8 PVC 150.0 17 0.11 True P-304 403 J-281 J-282 7.8 PVC 150.0 17 0.11 True P-304 403 J-281 J-282 7.8 PVC 150.0 17 0.11 True P-417 127 J-355 J-93 7.8 PVC 150.0 17 0.11 True P-418 313 J-92 J-355 7.8 PVC 150.0 17 0.11 True P-338 363 J-288 J-289 7.8 PVC 150.0 17 0.11 True P-988 J-299 J-84 J-485 7.8 PVC 150.0 16 0.11 True P-832 349 J-447 J-448 7.8 PVC 150.0 16 0.11 True P-832 349 J-447 J-448 7.8 PVC 150.0 16 0.11 True P-832 349 J-447 J-448 7.8 PVC 150.0 16 0.11 True P-832 349 J-447 J-448 7.8 PVC 150.0 16 0.11 True P-832 349 J-447 J-448 7.8 PVC 150.0 16 0.11 True P-832 349 J-447 J-448 7.8 PVC 150.0 16 0.11 True P-832 349 J-447 J-48 7.8 PVC 150.0 16 0.11 True P-832 349 J-447 J-48 7.8 PVC 150.0 16 0.11 True P-832 349 J-447 J-48 7.8 PVC 150.0 16 0.	P-60	620	J-59	J-60	7.8	PVC				
P-69										
P-215 565 J-191 J-185 7.8 PVC 150.0 17 0.11 True P-890 262 J-479 J-483 7.8 PVC 150.0 17 0.11 True P-890 262 J-479 J-483 7.8 PVC 150.0 17 0.11 True P-898 362 J-403 J-404 7.8 PVC 150.0 17 0.11 True P-898 537 J-247 J-248 7.8 PVC 150.0 17 0.11 True P-898 537 J-247 J-248 7.8 PVC 150.0 17 0.11 True P-898 1.030 J-62 J-83 7.8 PVC 150.0 17 0.11 True P-893 1.030 J-62 J-83 7.8 PVC 150.0 17 0.11 True P-893 1.030 J-62 J-83 7.8 PVC 150.0 17 0.11 True P-97 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-97 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-97 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-97 80 J-183 J-83 PVC 150.0 17 0.11 True P-98 J-289 J-287 7.8 PVC 150.0 17 0.11 True P-98 J-98										
P-739 370		522						-17		
P-739			J-191				150.0	-17	0.12	True
P-890 262 J-479 J-483 7.8 PVC 150.0 17 0.11 True P-538 332 J-403 J-404 7.8 PVC 150.0 17 0.11 True P-288 537 J-247 J-248 7.8 PVC 150.0 17 0.11 True P-888 1.193 J-67 J-483 7.8 PVC 150.0 17 0.11 True P-688 1.030 J-62 J-63 7.8 PVC 150.0 17 0.11 True P-688 1.030 J-62 J-63 7.8 PVC 150.0 17 0.11 True P-70 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-71 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-71 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-71 80 J-91 J-92 J-93 7.8 PVC 150.0 17 0.11 True P-71 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-71 80 J-91 J-92 7.8 PVC 150.0 17 0.11 True P-71 R-71 True P-71 True	P-739	370	J-317	J-515	7.8	- PVC	150.0	-17		
P-588 382	P-690	262	J-479	J-483		PVC	150.0	17		
P-288 537 J-247 J-248 7.8 PVC 150.0 17 0.11 True P-681 1.030 J-87 J-483 7.8 PVC 150.0 17 0.11 True P-632 1.030 J-82 J-83 7.8 PVC 150.0 17 0.11 True P-70 10.11 10.										
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P-83									0.11	True
P-32 340 J-33 J-34 7.8 PVC 150.0 17 0.11 True P-145 103 J-131 J-133 7.8 PVC 150.0 17 0.11 True P-145 103 J-131 J-133 7.8 PVC 150.0 17 0.11 True P-300 403 J-281 J-282 7.8 PVC 150.0 17 0.11 True P-330 403 J-281 J-282 7.8 PVC 150.0 17 0.11 True P-346 338 J-296 J-297 7.8 PVC 150.0 17 0.11 True P-346 338 J-296 J-297 7.8 PVC 150.0 17 0.11 True P-417 127 J-355 J-83 7.8 PVC 150.0 17 0.11 True P-418 313 J-92 J-355 J-83 7.8 PVC 150.0 17 0.11 True P-418 313 J-92 J-355 7.8 PVC 150.0 16 0.11 True P-338 363 J-288 J-289 7.8 PVC 150.0 16 0.11 True P-538 363 J-288 J-289 7.8 PVC 150.0 16 0.11 True P-550 304 J-184 J-429 7.8 PVC 150.0 36 0.10 True P-832 349 J-447 J-448 7.8 PVC 150.0 36 0.10 True P-832 349 J-447 J-448 7.8 PVC 150.0 36 0.10 True P-832 349 J-447 J-448 7.8 PVC 150.0 15 0.10 True P-863 190 J-466 J-81 7.8 PVC 150.0 -15 0.10 True P-860 116 J-81 J-465 7.8 PVC 150.0 -15 0.10 True P-821 7.4 J-32 J-441 7.8 PVC 150.0 14 0.09 True P-821 7.4 J-132 J-441 7.8 PVC 150.0 14 0.09 True P-865 J-282 J-299 7.8 PVC 150.0 14 0.09 True P-865 J-343 J-355 J-291 7.8 PVC 150.0 14 0.09 True P-865 J-348 J-107 J-108 7.8 PVC 150.0 14 0.09 True P-806 363 J-295 J-291 7.8 PVC 150.0 14 0.09 True P-806 363 J-295 J-290 7.8 PVC 150.0 12 0.08 True P-866 447 J-15 J-468 7.8 PVC 150.0 12 0.08 True P-806 363 J-308 J-109 T-108 7.8 PVC 150.0 12 0.08 True P-806 363 J-308 J-109 T-108 7.8 PVC 150.0 12 0.08 True P-806 363 J-308 J-308 J-308 7.8 PVC 150.0 10 0.09 True P-806 363 J-308		1,030		J-63	7.8	PVC	150.0	17	0.11	
P-97	P-32	340	J-33	J-34			150.0			
P-145										
P-218										
P-330									0.11	True
P-330				J-193				17	0.11	True
P-346 338 J-296 J-297 7.8 PVC 150.0 17 0.11 True P-417 127 J-355 J-93 7.8 PVC 150.0 17 0.11 True P-418 313 J-92 J-355 J-89 7.8 PVC 150.0 16 0.11 True P-398 363 J-288 J-289 7.8 PVC 150.0 16 0.11 True P-199 304 J-184 J-429 7.8 PVC 150.0 36 0.10 True P-119 818 J-107 J-110 12.0 PVC 150.0 36 0.10 True P-832 349 J-447 J-448 7.8 PVC 150.0 36 0.10 True P-832 349 J-447 J-448 7.8 PVC 150.0 15 0.10 True P-888 429 J-84 J-85 7.8 PVC 150.0 15 0.10 True P-889 299 J-84 J-85 7.8 PVC 150.0 -15 0.10 True P-660 116 J-81 J-465 7.8 PVC 150.0 -14 0.10 True P-660 116 J-81 J-465 7.8 PVC 150.0 -14 0.09 True P-660 116 J-81 J-468 7.8 PVC 150.0 -14 0.09 True P-661 7.8 PVC 150.0 14 0.09 True P-662 7.4 J-132 J-441 7.8 PVC 150.0 14 0.09 True P-662 7.4 J-132 J-441 7.8 PVC 150.0 14 0.09 True P-662 7.4 J-132 J-441 7.8 PVC 150.0 14 0.09 True P-662 7.4 J-132 J-441 7.8 PVC 150.0 14 0.09 True P-663 363 J-259 J-260 7.8 PVC 150.0 14 0.09 True P-118 436 J-108 J-109 7.8 PVC 150.0 12 0.08 True P-117 488 J-107 J-108 7.8 PVC 150.0 12 0.08 True P-663 363 J-259 J-260 7.8 PVC 150.0 12 0.08 True P-166 352 J-112 J-149 7.8 PVC 150.0 12 0.08 True P-166 352 J-112 J-149 7.8 PVC 150.0 12 0.08 True P-166 352 J-112 J-149 7.8 PVC 150.0 12 0.08 True P-166 352 J-124 J-149 7.8 PVC 150.0 12 0.08 True P-166 352 J-124 J-149 7.8 PVC 150.0 12 0.08 True P-673 363 J-574 J-466 J-466 7.8 PVC 150.0 10 0.07 True P-678 290 J-474 J-477 7.8 PVC 150.0 9 0.06 True P-678 290 J-474 J-477 7.8 PVC 150.0 9 0					7.8	PVC				
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P-119	P-590		J-184	J-429	7.8	PVC	150.0	16	0.11	
P-832 349 J-447 J-448 7.8 PVC 150.0 15 0.10 True	P-119	818	J-107	J-110			150.0			
P-88								15		
P-89								15		Irue
P-663									0.10	True
P-663							150.0	-15	0.10	True
P-660		190	J-466	J-81	7.8	PVC				
P-308 259 J-262 J-259 7.8 PVC 150.0 -14 0.09 True P-621 74 J-132 J-441 7.8 PVC 150.0 14 0.09 True P-650 534 J-395 J-291 7.8 PVC 150.0 -14 0.09 True P-520 534 J-395 J-291 7.8 PVC 150.0 -14 0.09 True P-118 436 J-108 J-109 7.8 PVC 150.0 14 0.09 True P-117 488 J-107 J-108 7.8 PVC 150.0 13 0.09 True P-673 257 J-408 J-473 7.8 PVC 150.0 12 0.08 True P-109 541 J-99 J-100 7.8 PVC 150.0 12 0.08 True P-166 352 J-112 J-149 7.8 PVC 150.0 12 0.08 True P-168 383 J-150 J-151 7.8 PVC 150.0 12 0.08 True P-403 677 J-344 J-345 7.8 PVC 150.0 12 0.08 True P-427 316 J-345 J-362 7.8 PVC 150.0 -12 0.08 True P-227 316 J-345 J-362 7.8 PVC 150.0 -12 0.08 True P-286 600 J-245 J-246 7.8 PVC 150.0 -12 0.08 True P-286 600 J-245 J-246 7.8 PVC 150.0 -12 0.08 True P-286 600 J-245 J-396 7.8 PVC 150.0 -12 0.08 True P-286 600 J-245 J-396 7.8 PVC 150.0 -12 0.08 True P-286 600 J-245 J-396 7.8 PVC 150.0 -12 0.08 True P-286 600 J-245 J-246 7.8 PVC 150.0 -12 0.08 True P-286 600 J-245 J-396 7.8 PVC 150.0 -12 0.08 True P-686 J-518 J-303 J-506 7.8 PVC 150.0 -10 0.07 True P-787 325 J-538 J-303 7.8 PVC 150.0 -10 0.07 True P-787 325 J-538 J-303 7.8 PVC 150.0 9 0.06 True P-688 357 J-396 J-459 7.8 PVC 150.0 9 0.06 True P-686 220 J-466 7.8 PVC 150.0 9 0.06 True P-686 220 J-445 J-466 7.8 PVC 150.0 9 0.06 True P-662 220 J-466 J-431 J-518 7.8 PVC 150.0 9 0.06 True P-745 645 J-431 J-518 7.8 PVC 150.0 8 0.05 True P-309 320 J-261 J-263 7.8 PVC 150.0 7 0.05 True P-309 320 J-261 J-263 7.8	P-660	116	J-81	J-465		PVC.		14		
P-621 74										
P-665		74								
P-520										
P-520			J-15				150.0	14	0.09	True
P-118			J-395	J-291	7.8	PVC	150.0	-14	0.09	
P-305 363 J-259 J-260 7.8 PVC 150.0 13 0.09 True P-117 488 J-107 J-108 7.8 PVC 150.0 12 0.08 True P-673 257 J-408 J-473 7.8 PVC 150.0 12 0.08 True P-109 541 J-99 J-100 7.8 PVC 150.0 12 0.08 True P-166 352 J-112 J-149 7.8 PVC 150.0 12 0.08 True P-168 383 J-150 J-151 7.8 PVC 150.0 12 0.08 True P-403 677 J-344 J-345 7.8 PVC 150.0 12 0.08 True P-427 316 J-345 J-362 7.8 PVC 150.0 -12 0.08 True P-524 367 J-162 J-396 7.8 PVC 150.0 -12 0.08 True P-524 367 J-162 J-396 7.8 PVC 150.0 -12 0.08 True P-286 600 J-245 J-246 7.8 PVC 150.0 -12 0.08 True P-727 75 J-303 J-506 7.8 PVC 150.0 -12 0.08 True P-787 325 J-538 J-303 7.8 PVC 150.0 11 0.07 True P-787 325 J-538 J-303 7.8 PVC 150.0 11 0.07 True P-684 357 J-396 J-459 7.8 PVC 150.0 -10 0.07 True P-684 357 J-396 J-459 7.8 PVC 150.0 9 0.06 True P-686 140 J-89 J-469 7.8 PVC 150.0 9 0.06 True P-678 290 J-474 J-477 7.8 PVC 150.0 9 0.06 True P-686 220 J-465 J-466 7.8 PVC 150.0 9 0.06 True P-572 373 J-235 J-238 7.8 PVC 150.0 9 0.06 True P-572 373 J-235 J-238 7.8 PVC 150.0 9 0.06 True P-572 373 J-235 J-238 7.8 PVC 150.0 9 0.06 True P-686 220 J-465 J-466 7.8 PVC 150.0 9 0.06 True P-572 373 J-235 J-238 7.8 PVC 150.0 9 0.06 True P-572 373 J-235 J-238 7.8 PVC 150.0 8 0.05 True P-574 365 J-431 J-518 7.8 PVC 150.0 8 0.05 True P-572 373 J-235 J-238 7.8 PVC 150.0 8 0.05 True P-572 373 J-235 J-238 7.8 PVC 150.0 8 0.05 True P-574 4444 251 J-103 J-365 7.8 PVC 150.0 7 0.05 True P-352 277 J-302 J-301 7.8 PVC 150.0 7 0.05 True P-352 277 J-302 J-301 7.8 PVC 150.0 7 0.05 True P-352 277 J-302 J-301 7.8 PVC 150.0 7 0.05 True P-352 277 J-302 J-301 7.8 PVC 150.0 7 0.05 True P-352 277 J-302 J-301 7.8 PVC 150.0 7 0.05 True	P-118	436	J-108					14		
P-117 488 J-107 J-108 7.8 PVC 150.0 12 0.08 True P-673 257 J-408 J-473 7.8 PVC 150.0 12 0.08 True P-109 541 J-99 J-100 7.8 PVC 150.0 12 0.08 True P-166 352 J-112 J-149 7.8 PVC 150.0 12 0.08 True P-168 383 J-150 J-151 7.8 PVC 150.0 12 0.08 True P-403 677 J-344 J-345 7.8 PVC 150.0 -12 0.08 True P-427 316 J-345 J-362 7.8 PVC 150.0 -12 0.08 True P-524 367 J-152 J-396 7.8 PVC 150.0 -12 0.08 True P-286 600 J-245 J-246 7.8 PVC <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>150.0</td> <td></td> <td></td> <td></td>							150.0			
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P-634										
P-657										
P-700			1115							
P-741			3-115							
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P-698										True
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Current Time Step: 0.000Hr FlexTable: Junction Table

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J-387 1,067.38 0							
J-368 10.66.55 0							
J-505 10.65-53 0							
J-307 1,045,71 0 1,131,21 37.1 1147 PP J-308 1,042,91 12 1,130,55 37.9 1147 PP J-309 1,041,91 0 1,130,44 38.3 1147 PP J-310 1,036,78 0 1,128,32 40.0 1147 PP J-310 1,036,78 0 1,128,32 40.0 1147 PP J-310 973,42 36 1,068,82 41.3 1147 PP J-310 973,96 41 1,079,08 42.9 1147 PP J-333 1,035,79 41.1 1,079,08 42.9 1147 PP J-333 1,025,71 0 1,127,72 44.2 1147 PP J-333 1,025,71 0 1,127,72 44.2 1147 PP J-333 1,025,71 0 1,127,73 44.2 1147 PP J-483 972,11 21 1,079,18 48.3 1147 PP J-483 972,11 21 1,079,18 48.3 1147 PP J-483 974,14	793 25933334					AND	
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J-111 964.23 20 1.079.07 49.7 1147 PP							<u>-</u>
J-193							_
J-318 1,067,26 0 1,187,19 51.9 Boosted PP - 1147 PP - 1522 961,94 0 1,082,68 52.2 1147 PP - 147 PP - 1522 961,94 0 1,082,68 52.2 1147 PP - 15297 1,064,56 17 1,187,25 53.1 Boosted PP - 147 PP - 15297 1,062,43 6 1,187,19 54.0 Boosted PP - 147 PP - 15297 1,062,43 6 1,187,19 54.0 Boosted PP - 147 PP - 15297 1,062,43 6 1,187,19 54.0 Boosted PP - 15297 1,062,43 6 1,187,19 54.0 Boosted PP - 15297 1,062,43 6 1,187,19 55.0 Boosted PP - 15297 1,058,77 3 1,187,23 55.6 Boosted PP - 15299 1,058,98 15 1,187,23 55.6 Boosted PP - 15291 1,055,14 3 1,187,23 55.6 Boosted PP - 15291 1,055,65 3 1,187,23 56.4 Boosted PP - 15291 1,055,65 3 1,187,20 56.7 Boosted PP - 15291 1,055,65 3 1,187,20 56.7 Boosted PP - 15291 1,055,65 3 1,187,20 56.7 Boosted PP - 15291 1,055,65 3 1,187,22 55.0 Boosted PP - 15291 1,055,65 3 1,187,22 55.0 Boosted PP - 11.8 Acre Commercial Tract 1,051,14 32 1,113,20 57.0 1147 PP - 15291 1,054,14 32 1,113,14 1,053,16 33 1,187,23 58.0 Boosted PP - 15291 1,054,14 32 1,113,14 1,053,16 33 1,187,23 58.0 Boosted PP - 15291 1,054,14 32 1,113,14 1,053,16 33 1,187,23 58.0 Boosted PP - 15291 1,054,14 32 1,113,14 1,053,16 33 1,187,23 58.0 Boosted PP - 15291 1,054,14 32 1,113,14 1,053,16 33 1,187,13 59.2 Boosted PP - 15291 1,047,75 9 1,187,24 60.3 Boosted PP - 15291 1,047,75 9 1,							
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J-522 946.21 20 1.068.00 52.7 1147 PP							
J-297 1,064.56 17 1,187.25 53.1 Boosted PP -							
J-441 958.54 14 1,082.68 53.7 1147 PP						A CONTRACTOR OF THE PROPERTY O	_
J.383 1,062,43 6 1,187,19 54.0 Boosted PP							_
J-390 984.67 0 1,109.75 54.1 1147 PP							
J-87							
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J-512 1,058.77 3 1,187.23 55.6 Boosted PP - J-511 1,057.14 3 1,187.23 56.3 Boosted PP - J-511 1,057.14 3 1,187.23 56.3 Boosted PP - J-514 1,056.83 0 1,187.23 56.4 Boosted PP - J-514 1,056.83 0 1,187.20 56.6 Boosted PP - J-514 1,055.65 3 1,187.20 56.9 Boosted PP - J-514 1,055.65 3 1,187.20 56.9 Boosted PP - J-514 1,055.65 3 1,187.22 56.9 Boosted PP - J-514 1,055.65 3 1,187.24 57.1 Boosted PP - J-514 1,055.65 2 1,187.24 57.1 Boosted PP - J-515 1,054.97 0 1,187.24 57.2 Boosted PP - J-515 1,054.86 2 1,187.24 57.3 Boosted PP - J-516 1,053.56 0 1,187.22 57.7 Boosted PP - J-517 1,053.56 0 1,187.20 57.8 Boosted PP - J-518 1,053.56 0 1,187.29 58.0 Boosted PP - J-518 1,053.56 0 1,187.29 58.0 Boosted PP - J-518 1,051.99 3 1,187.29 58.0 Boosted PP - J-518 1,051.99 3 1,187.20 58.3 1147 PP - J-526 1,051.53 3 1,187.21 58.7 Boosted PP - J-529 1,050.79 0 1,187.26 58.6 Boosted PP - J-529 1,050.79 0 1,187.23 59.0 Boosted PP - J-529 1,047.90 0 1,187.27 59.9 Boosted PP - J-529 1,047.5 9 1,187.21 59.9 Boosted PP - J-529 1,047.5 9 1,187.21 60.3 Boosted PP - J-529 1,045.75 9 1,187.21 60.3 Boosted PP - J-529 1,047.5 9 1,187.21 60.3 Boosted PP - J-529 1,045.75 9 1,187.21 60.7 Boosted PP - J-529 1,045.75 9 1,187.21 60.8 Boosted PP - J-529 1,045.75 9 1,187.22 61.1 Boosted PP - J-529 1,045.75 9 1,045.74 26 1,187.20 60.8 Boosted PP - J-529 1,045.75 9 1,187.20 60.8 Boosted PP - J-529 1,045.75 9 1,187.20 60.8 Boosted PP - J-529 1,045.75 9 1,187.20 60.8 Boosted PP - J-529 1,045.42 7 1,187.30 61.3 Boosted PP - J-529 1,045.44 26 1,187.32 61.5 Boosted PP - J-529 1,045.44 26 1,187.32 61.5 Boosted PP - J-529 1,045.44 26	J-299						-
J-511	J-512		3				_
J-313	J-511		3				_
J-384	J-313	1,056.83	0				-
J-300 1,056.15 26 1,187.20 56.7 Boosted PP - J-514 1,055.65 3 1,187.22 56.9 Boosted PP - J-363 981.44 32 1,113.20 57.0 1147 PP - J-510 1,055.16 2 1,187.24 57.1 Boosted PP - J-312 1,054.97 0 1,187.24 57.2 Boosted PP - J-509 1,054.86 2 1,187.22 57.7 Boosted PP - J-317 1,053.56 0 1,187.20 57.8 Boosted PP - J-298 1,053.30 3 1,187.29 58.0 Boosted PP - J-106 944.23 18 1,079.09 58.3 1147 PP - J-296 1,051.74 0 1,187.26 58.6 Boosted PP - J-294 1,050.79 0 1,187.23 59.0 Boosted PP - J-205 969.7	J-384	1,056.39	72				11.8 Acre Commercial Tract
J-363 981.44 32 1,113.20 57.0 1147 PP - J-510 1,055.16 2 1,187.24 57.1 Boosted PP - J-312 1,054.97 0 1,187.24 57.3 Boosted PP - J-509 1,054.86 2 1,187.22 57.7 Boosted PP - J-317 1,053.56 0 1,187.29 58.0 Boosted PP - J-298 1,053.30 3 1,187.29 58.0 Boosted PP - J-106 944.23 18 1,079.09 58.3 1147 PP - J-296 1,051.74 0 1,187.25 58.6 Boosted PP - J-315 1,051.53 3 1,187.21 58.7 Boosted PP - J-524 933.36 30 1,070.01 59.2 CPW - J-294 1,050.79 0 1,187.23 59.0 Boosted PP - J-205 969.77		1,056.15	26	1,187.20	56.7	Boosted PP	-
J-363 981.44 32 1,113.20 57.0 1147 PP - J-510 1,055.16 2 1,187.24 57.1 Boosted PP - J-312 1,054.97 0 1,187.24 57.3 Boosted PP - J-509 1,054.86 2 1,187.22 57.7 Boosted PP - J-317 1,053.56 0 1,187.29 58.0 Boosted PP - J-298 1,053.30 3 1,187.29 58.0 Boosted PP - J-106 944.23 18 1,079.09 58.3 1147 PP - J-296 1,051.74 0 1,187.25 58.6 Boosted PP - J-315 1,051.53 3 1,187.21 58.7 Boosted PP - J-524 933.36 30 1,070.01 59.2 CPW - J-294 1,050.79 0 1,187.23 59.0 Boosted PP - J-205 969.77				1,187.22	56.9	Boosted PP	
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J-509		1,055.16	2	1,187.24	57.1	Boosted PP	-
J-314 1,053.76				1,187.24	57.2	Boosted PP	-
J-317		1,054.86		1,187.24	57.3	Boosted PP	
J-298		1,053.76		1,187.22		Boosted PP	L .
J-106 944.23 18 1,079.09 58.3 1147 PP - J-296 1,051.74 0 1,187.26 58.6 Boosted PP - J-296 1,051.74 0 1,187.21 58.7 Boosted PP - J-294 1,050.79 0 1,187.23 59.0 Boosted PP - J-524 933.36 30 1,070.11 59.2 CFW - J-302 1,050.27 63 1,187.13 59.2 Boosted PP - J-205 969.77 12 1,107.30 59.5 1147 PP - J-311 1,048.83 0 1,187.37 59.9 Boosted PP - J-295 1,047.90 0 1,187.24 60.3 Boosted PP - J-59 973.06 18 1,112.50 60.3 Boosted PP - J-291 1,047.75 9 1,187.21 60.3 Boosted PP - J-292 1,046.86 0 1,187.21 60.7 Boosted PP - J-293 1,045.99 0 1,187.22 61.1 Boosted PP - J-301 1,045.42 7 1,187.13 60.2 Boosted PP - J-301 1,045.42 7 1,187.13 61.3 Boosted PP - J-301 1,045.42 7 1,187.13 61.3 Boosted PP - J-523 1,045.14 26 1,187.32 61.5 CFW -						Boosted PP	
J-513						Boosted PP	-
J-296 1,051.74 0 1,187.26 58.6 Boosted PP - J-315 1,051.53 3 1,187.21 58.7 Boosted PP - J-294 1,050.79 0 1,187.23 59.0 Boosted PP - J-524 933.36 30 1,070.11 59.2 CFW - J-302 1,050.27 63 1,187.13 59.2 Boosted PP - J-205 969.77 12 1,107.30 59.5 1147 PP - J-311 1,048.83 0 1,187.37 59.9 Boosted PP - J-295 1,047.90 0 1,187.24 60.3 Boosted PP - J-291 1,047.75 9 1,187.21 60.3 Boosted PP - J-292 1,046.78 2 1,187.20 60.8 Boosted PP - J-293 1,045.42 7 1,187.13 61.3 Boosted PP - J-301 1,045.42<						1147 PP	<u>-</u>
J-315			e San				
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J-524 933.36 30 1,070.11 59.2 CFW - J-302 1,050.27 63 1,187.13 59.2 Boosted PP - J-205 969.77 12 1,107.30 59.5 1147 PP - J-311 1,048.83 0 1,187.37 59.9 Boosted PP - J-295 1,047.90 0 1,187.24 60.3 Boosted PP - J-59 973.06 18 1,112.50 60.3 1147 PP - J-291 1,047.75 9 1,187.21 60.3 Boosted PP - J-292 1,046.86 0 1,187.21 60.7 Boosted PP - J-293 1,045.78 2 1,187.20 60.8 Boosted PP - J-107 937.57 9 1,079.08 61.2 1147 PP - J-301 1,045.42 7 1,187.13 61.3 Boosted PP - J-523 1,045.14 26 1,187.32 61.5 CFW -							-
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J-311 1,048.83 0 1,187.37 59.9 Boosted PP - J-295 1,047.90 0 1,187.24 60.3 Boosted PP - J-59 973.06 18 1,112.50 60.3 1147 PP - J-291 1,047.75 9 1,187.21 60.3 Boosted PP - J-292 1,046.86 0 1,187.21 60.7 Boosted PP - J-316 1,046.78 2 1,187.20 60.8 Boosted PP - J-293 1,045.99 0 1,187.22 61.1 Boosted PP - J-301 1,045.42 7 1,187.13 61.3 Boosted PP - J-523 1,045.14 26 1,187.32 61.5 CFW -				Section 1985 Section 1985			-
J-295 1,047.90 0 1,187.24 60.3 Boosted PP - J-59 973.06 18 1,112.50 60.3 1147 PP - J-291 1,047.75 9 1,187.21 60.3 Boosted PP - J-292 1,046.86 0 1,187.21 60.7 Boosted PP - J-316 1,046.78 2 1,187.20 60.8 Boosted PP - J-293 1,045.99 0 1,187.22 61.1 Boosted PP - J-107 937.57 9 1,079.08 61.2 1147 PP - J-301 1,045.42 7 1,187.13 61.3 Boosted PP - J-523 1,045.14 26 1,187.32 61.5 CFW -						The same and the s	-
J-59 973.06 18 1,112.50 60.3 1147 PP - J-291 1,047.75 9 1,187.21 60.3 Boosted PP - J-292 1,046.86 0 1,187.21 60.7 Boosted PP - J-316 1,046.78 2 1,187.20 60.8 Boosted PP - J-293 1,045.99 0 1,187.22 61.1 Boosted PP - J-107 937.57 9 1,079.08 61.2 1147 PP - J-301 1,045.42 7 1,187.13 61.3 Boosted PP - J-523 1,045.14 26 1,187.32 61.5 CFW -							-
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J-292 1,046.86 0 1,187.21 60.7 Boosted PP - J-316 1,046.78 2 1,187.20 60.8 Boosted PP - J-293 1,045.99 0 1,187.22 61.1 Boosted PP - J-107 937.57 9 1,079.08 61.2 1147 PP - J-301 1,045.42 7 1,187.13 61.3 Boosted PP - J-523 1,045.14 26 1,187.32 61.5 CFW -							-
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J-301 1,045.42 7 1,187.13 61.3 Boosted PP - J-523 1,045.14 26 1,187.32 61.5 CFW -							 -
J-523 1,045.14 26 1,187.32 61.5 CFW -							-
							-
J-515 1,043,92 U 1,187,20 62.0 Boosted PP -							-
	1 2-010	1,043.92	U	1,187.20	62.0	Boosted PP	-

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J-489	969.85	14	1,113.15	62,0	1147 PP	1 -
J-112	935.09	9	1,079.10	62.3	1147 PP	•
J-538	1,043.06	24	1,187.30	62.4	CFW	
J-470	964,55	Ö	1,109.19	62.6		· ·
J-415	963.61	l ŏ	1,108,28		1147 PP	-
J-367	1,095.00	21	1,240.31	62.6	1147 PP	<u> </u>
J-481	1,095.00	0		62.9	1255 PP	=
J-70	1,095.00	7	1,240.38	62.9	1255 PP	-
J-303	1,041.78		1,240.44	62.9	1255 PP	•
J-393	980.18	0	1,187.30	63.0	1147 PP	-
J-506	1,040.11	0	1,125.76	63.0	1147 PP	-
J-204	960.57	11	1,187.30	63.7	1147 PP	-
J-74	1,092.20	18	1,108.20	63.9	1147 PP	-
J-508		9	1,240.36	64.1	1255 PP	<u>~</u>
	1,038.43	0	1,187.49	64.5	1147 PP	-
J-507	1,035.69	44	1,187.42	65.6	Boosted PP	-
J-62	960.47	32	1,112.21	65.7	1147 PP	ž.
J-117	1,086.64	30	1,240.58	66,6	1255 PP	, -
J-71	1,086.47	20	1,240.44	66.6	1255 PP	-
J-480	1,086.22	0	1,240.32	66.7	1255 PP	(=
J-473	1,086,13	12	1,240.56	66.8	1255 PP	1
J-479	1,084.05] 0	1,240.28	67,6	1147 PP	-
J-290	969.26	0	1,125.76	67.7	1147 PP	
J-195	911.40	9	1,067.98	67.7	1147 PP	-
J-352	953,89	2	1,110.55	67.8	1147 PP	1/2 Grade and Middle School Demand
J-347 -	968.90	0	1,125.72	67.8	1147 PP	1/2 Grade and wilddle Scrippi Demand
J-128	928.77	36	1,085,64	67.9	1147 PP	
J-88	953.48	15	1,110.55	68.0	1147 PP	<u>-</u>
J-198	910.60	12	1,068.03	68.1	1147 PP	
J-199	910.29	30	1.068.26	68.3	1147 PP	} -
J-527	920.95	21	1,079.13	68.4	CFW	
J-478	1,081.98	18	1,240.22	68.5	1255 PP	
J-149	920.58	12	1,079.09	68.6	1147 PP	~
J-531	1,080.97	5	1,240.26	68.9	CFW	•
J-68	1,080.86	20	1,240,23	69.0		u .
J-530	1,080.56	18	1,240.26	69.1	1255 PP	^
J-173	909.15	36	1,069.60		CFW	•
J-464	921.54	26	1,082.92	69.4	1147 PP	
J-408	1,078.88	11		69.8	1147 PP	,
J-60	950.72	17	1,240.56	70.0	1255 PP	-
J-125	925.03	11	1,112.50	70.0	1147 PP	-
J-194	905.85		1,086.87	70.0	1147 PP	-5
J-475	1,077.80	24	1,067.89	70.1	1147 PP	•,
J-73	1,077.00	9	1,240.06	70.2	1255 PP	4
J-99		24	1,240.36	70.2	1255 PP	-
J-72	1,077.93	12	1,240.49	70.3	1255 PP	-
J-484	1,077.49	0	1,240.40	70.5	1255 PP	<u>.</u>
	1,076.66	0	1,240.33	70.8	1255 PP	-
J-467	1,076,04	23	1,240.03	70.9	1255 PP	-
J-100	1,076.18	12	1,240.48	71.1	1255 PP	
J-127	921.29	0	1,085.93	71.2	1147 PP	
J-466	1,075.31	0	1,240.03	71.3	1255 PP	•
J-483	1,075.34	0	1,240.27	71.4	1255 PP	•
J-78	1,075.17	30	1,240.11	71.4	1255 PP	■
J-476	1,074.64	27	1,240.04	71.6	1255 PP	-
J-322	961.64	3	1,127.85	71.9	1147 PP	-
J-188	899.04	39	1,067.67	73.0	1147 PP	-
J-81	1,071.28	0	1,240.03	73.0	1255 PP	
J-69	1,071.31	17	1,240.23	73.1	1255 PP	_
J-465	1,071.07	0	1,240.03	73.1	1255 PP	_
J-474	1,071.00	12	1,240.04	73,1	1255 PP	
J-477	1,071.00	9	1,240.04	73.1	1255 PP	
J-126	917.58	0	1,087.84	73.7	1147 PP	-
J-345	955.36	0	1,125.72	73.7	1147 PP	
J-320	954.81	6	1,125.76	74.0	1147 PP	_
J-286	955.15	29	1,126.53	74.1	1147 PP	
J-118	1,068.69	20	1,240.56	74.4	1255 PP	-
J-362	953.71	5	1,125.72	74.4	1147 PP	
J-79	1.067.86	29	1,240.03	74.5	1255 PP	
J-287	953.70	26	1,125.98	74.5	1147 PP	•
J-289	953.42	11	1,125.76	74.5 74.6		•
J-119	1,068.12	6	1,240.83	74.0	1147 PP	-
J-529	1,065.97	24	1,240.03	74.7 75,3	1255 PP	-
J-200	894.54	20	1,068.77	75.3 75.4	CFW 1147 PD	•
J-348	951.34	24	1,125.69	75.4 75.4	1147 PP	-
J-120	1,066,39	18	1,240.83	75.4 75.5	1147 PP	-
	-,,00	10 [1,240.00	10.5	1255 PP	-

1	1,066.33	7	1,240.93	75,5	1255 PP	1 _
J-186	893.00	33				1 -
			1,067.66	75.6	1147 PP	-
J-98	1,065.74	32	1,240.67	75,7	1255 PP	-
J-285	950.98	3	1,126.93	76.1	1147 PP	-
J-485	1,064.71	14	1,240.74	76.2	1255 PP	-
J-102	1,063,86	17	1,239.99	76.2	1255 PP	
J-178	891.55	20			100 - 0	-
			1,068.02	76.4	1147 PP	-
J-346	949.05	0	1,125.72	76.4	1147 PP	-
J-525	892,70	29	1,070.03	76.7	CFW	-
J-39	935.67	6	1,113.22	76.8	1147 PP	-
J-323	950.18	2	1,127.85	76.9	1147 PP	_
J-171	892.09	20	1.070.75			
	1.060.88			77.3	1147 PP	-
J-365		7	1,239.61	77.3	1255 PP	-
J-175	890,43	9	1,069.60	77.5	1147 PP	-
J-103	1,058.83	12	1,239.61	78.2	1255 PP	-
J-210	924.85	30	1,105,80	78.3	1147 PP	
J-209	924.31	0	1,105.81	78.5	1147 PP	
J-343	946.03	ŏ	1,127,85	78.7	1147 PP	.=
J-187	700.00 ST 700.000		the state of the s			-
	884.00	20	1,067.71	79.5	1147 PP	-
J-43	928.89	18	1,113.18	79.7	1147 PP	-
J-131	897.45	0	1,081.99	79.8	1147 PP	-
J-469	925,79	9	1,111.44	80.3	1147 PP	-
J-456	919.64	27	1,106.11	80.7	1147 PP	1 -
J-516	1,000.63	5	1,187.20	80.7		1
	3.50			200000000000000000000000000000000000000	Boosted PP	-
J-283	939,47	26	1,126.37	80.9	1147 PP	-
J-452	919.94	12	1,107.09	81.0	1147 PP	-
J-344	938.52	12	1,125.72	81.0	1147 PP	٠,
J-113	891.21	17	1,079.11	81.3	1147 PP	-
J-58	1,052.78	26	1,240.70	81.3	1255 PP	1 -
J-457	916.92	26	1,105.83	81.7	1147 PP	_
J-451	916.72	20	1,106.12			1 -
				81.9	1147 PP	-
J-332	938.00	18	1,127.78	82.1	1147 PP	-
J-443	899.28	33	1,089.37	82.2	1147 PP	
J-502	935.90	0	1,126.21	82.3	1147 PP	100
J-89	920.94	15	1,111.44	82.4	1147 PP	_
J-430	876,79	24	1,067.29	82,4	Boosted PP	-
J-437	877.96	18	1,068.77	82.6	1147 PP	_
J-537	916.52	Ö				
			1,107.54	82.6	CFW	1 -
J-438	879,31	6	1,070.49	82,7	1147 PP	-
J-533	887.79	0	1,079,19	82.8	CFW	-
J-133	888.84	17	1,081.99	83.6	1147 PP	-
J-454	913.82	21	1,107.08	83.6	1147 PP	-
J-207	911,99	0	1,105.47	83.7	1147 PP	-
J-444	910.85	20	1,105,15	84.1	1147 PP	
J-38						-
	918.96	21	1,113.29	84.1	1147 PP	-
J-90	916.38	.0	1,111.60	84.5	1147 PP	-
J-170	875.66	17	1,071.38	84.7	1147 PP	-
J-331	931.75	0	1,127.79	84.8	1147 PP	- 2
J-206	908.44	23	1,104,67	84.9	1147 PP	-
J-212	1.045.00	0	1.241.62	85.1	1255 PP	_
J-148	882.32	11	1,079.11	85.1	1147 PP	
J-214	1.044.29	Ö	1,241.75	85.4	1255 PP	1 "
J-324						-
	930.02	0	1,127.85	85.6	1147 PP	-
J-353	912.25	0	1,110.30	85.7	1147 PP	-
J-185	868.33	20	1,067,20	86.0	1147 PP	-
J-191	868.07	29	1,067.20	86.2	1147 PP	-
J-400	890.81	51	1.090.18	86.3	1147 PP	-
J-162	1.040.00	45	1,239.58	86.4	1255 PP	-
J-96	910.60	Õ	1,110.30			1
				86.4	1147 PP	-
J-342	927.54	0	1,127.85	86.7	1147 PP	-
J-169	870.87	Ō	1,071.82	86.9	1147 PP	-
J-436	870.89	0	1,072.00	87.0	1147 PP	-
J-429	865.07	9	1,066.89	87.3	1147 PP	-
J-504	924.77	ō	1,127.79	87.8	Boosted PP	-
J-439	867,46	6	1,070.49	87.8		1
					1147 PP	-
J-104	1,035.76	17	1,239.43	88.1	1255 PP	-
J-395	983.46	14	1,187.21	88.2	Boosted PP	-
J-334	922.92	26	1,127.74	88.6	1147 PP	-
J-52	1,036.19	0	1,241.49	88.8	1255 PP	-
J-65	905.46	24	1,112.08	89.4	1147 PP	-
J-50	1,034.61	23	1,241.80	89.6	1255 PP	_
J-92	904.62	0	1,112.01	89.7	The second secon	•
J-160		10000		200 10 000	1147 PP	-
	1,032.28	0	1,239.98	89.9	1255 PP	-
J-114	870.71	12	1,079.14	90.2	1147 PP	-

1	870.45	5	1 1070 17	1 002	4447.00	i
1,400			1,079.17	90.3	1147 PP	-
J-190	858.22	15	1,067.08	90.4	1147 PP	~
J-166	1,030,35	32	1,239.42	90.5	1255 PP	_
J-167	864.01	0	1,073.57	90.7	1147 PP	
						-
J-91	902.36	11	1,112.01	90.7	1147 PP	-
J-355	901.56	0	1,112.00	91.0	1147 PP	<u> </u>
J-221	859.05	17	1,069.58	91.1	1147 PP	
						-
J-490	902.55	27	1,113.13	91.1	1147 PP	-
J-426	855.04	12	1,066.68	91.6	1147 PP	-
J-288	913.27	5	1,125.76	91,9		306
		100000000			1147 PP	•
J-66	898,81	20	1,112.05	92.3	1147 PP	-
J-453	896.81	0	1,110,11	92.3	1147 PP	
J-517	911.90	0	1,125.80	92.5		
3-317					Boosted PP	H
J-471	1,026.53	0	1,241.89	93.2	1255 PP	w
J-184	851.16	7	1,066,90	93.3	1147 PP	<u>-</u>
J-93	894.24	17	1,112.00		2 50 100 policies	
				94.2	1147 PP	=
J-130	863,62	29	1,081.44	94.2	1147 PP	-
J-222	849.29	14	1,068.54	94.9	1147 PP	_
J-226	849.02	21	1,068.36		1	
				94.9	1147 PP	-
J-354	890.43	0	1,110.23	95.1	1147 PP	•
J-284	905.45	20	1,125,55	95.2	1147 PP	¥
J-536	847.93	80	1,068,10	95.3		
					1147 PP	-
J-227	847.93	3	1,068.11	95.3	1147 PP	H
J-129	861.90	0	1,082.62	95.5	1147 PP	
J-420	847.21	12	1,068,35	95.7		
100 000 1000					1147 PP	1 5
J-351	889.24	0	1,110.71	95.8	1147 PP	1/2 Grade and Middle School Demand
J-321	903.88	3	1,125,74	96.0	1147 PP	-
J-532	889.98	11	1,112.06	96.1		
					CFW	5
J-97	887.89	0	1,110.23	96.2	1147 PP	■
J-33	888.39	20	1,113.64	97.5	1147 PP	
J-350	884.46	0	1,110.09	97.6		11.7 Agra Commencial Tend and 2.0 Apr. Etc. Of the
				***************************************	1147 PP	11.7 Acre Commercial Tract and 3.0 Acre Fire Station
J-224	841.37	11	1,068.15	98.1	1147 PP	-
J-228	841.06	15	1,067.97	98.2	1147 PP	
J-55	1,014.29	0	1,241.33	98.2	TO A COMPANY OF THE PARTY OF TH	507
					1255 PP	-
J-435	840.23	15	1,068.13	98.6	1147 PP	
J-26	884,15	9	1,112.56	98.8	1147 PP	_
J-494	888.12	6	1,116.61	98.9		
					1147 PP	-
J-27	883.91	0	1,112.56	98.9	1147 PP	. .
J-325	899.03	3	1,127.85	99.0	1147 PP	<u> </u>
J-163	1,010.73	ō	1,239.58			
				99,0	1255 PP	-
J-217	1,013.01	2	1,242.07	99.1	1255 PP	-
J-361	895,36	0	1,125.74	99.7	1147 PP	
J-189	836.76	17				
			1,067.15	99.7	1147 PP	- I
J-445	874.28	17	1,105.11	99.9	1147 PP	-
J-491	882,36	21	1,113.29	99.9	1147 PP	₽ · · · · · · · · · · · · · · · · · · ·
J-341	896.31					
		0	1,127.85	100.2	1147 PP	-
J-223	836.35	6	1,068.54	100.5	1147 PP	•
J-401	858,11	52	1,090.77	100.7	1147 PP	l .
J-34	880.14	17				⁻
			1,113.64	101.0	1147 PP	-
J-446	870.90	7	1,105.08	101.3	1147 PP	
J-282	890.00	17	1,124,25	101.3	1147 PP	<u>.</u>
J-8	875.32	Ö	1,109.69	101.4	1147 PP	
						•
J-168	838.73	6	1,073.57	101.6	1147 PP	-
J-146	843.81	0	1.079.15	101.8	1147 PP	.
J-9	874.40	ŏ	1,110.09	102.0	1147 PP	
						-
J-366	843.17	.7	1,079.14	102.1	1147 PP	-
J-238	831.66	18	1,067.79	102,2	1147 PP	-
J-381	826.40	45	1,063.25	102.5	1147 PP	Flementary School Meet
						Elementary School West
J-349	872.87	206	1,110.08	102.6	1147 PP	33.9 Acre Commercial Tract
J-218	1,004.78	3	1,242.07	102.7	1255 PP	•
J-230	829.71	15	1,067.88	103.0	1147 PP	<u> </u>
J-153	1,000.77					
		0	1,239.37	103.2	1255 PP	•
J-424	827.28	0	1,066,51	103.5	1147 PP	~
J-460	999.90	32	1,239.58	103.7	1255 PP	
J-419	827,81					⁻
		17	1,067.83	103.8	1147 PP] -
J-7	869.18	0	1,109.33	103.9	1147 PP	-
J-330	886.90	Ö	1,127.80	104.2	1147 PP	1 .
J-427	825.67					⁻
		32	1,066.67	104.3	1147 PP	•
J-425	825.38	9	1,066.51	104.3	1147 PP	•
J-281	882.46	23	1,124.25	104.6	1147 PP	_
J-235	825.72					<u> </u>
		11	1,067.79	104.7	1147 PP	•
J-183	823.99	11	1,066.37	104.9	1147 PP	
J-265	858.05	14	1,100,51	104.9	1147 PP	_
J-208	862.67	è	1,105,47	105.0		
1 2-500	002.01	9	1,100.47	105.0	1147 PP	•

	856.45	6	1,100.51	105.6	1147 PP	-	
J-397	995.00	24	1,239.21	105.7	1255 PP	-	
J-433	822.86	11	1,067.78	106.0	1147 PP	-	
J-413	862.64	80	1,108,22	106.2	1147 PP	_	
J-82	867.43	78	1,113.16	106.3	1147 PP	_	
J-134	843.06	0	1,088.92	106.4	1147 PP	-	
J-468	864.66	14	1,110.96	106.6	1147 PP	_	
J-450	858.58	5	1,105.08	106.6	1147 PP	_	
J-498	875.83	ŏ	1,123.07	107.0	1147 PP	-	
J-462	831.85	5	1,079.17	107.0	1147 PP		
J-432	819.77	ž	1,067.77	107.3	1147 PP	-	
J-380	815,23	ó	1,063.26	107.3	1147 PP	_	
J-6	859.49	ŏ	1,108.99	107.9	1147 PP		
J-447	853.58	11	The second secon	AND THE PROPERTY OF THE PARTY O	1147 PP	-	
J-422	815.14	3	1,105.05	108.8		-	ā
J-461	1.00.000.000.000.000.000.000.000.000.00		1,067.24	109.1	1147 PP		
J-252	987.41	38	1,239.60	109.1	1255 PP	-	
	814.19	0	1,066.40	109.1	1147 PP	-	
J-264	813.90	0 7	1,066.33	109.2	1147 PP	1-	
J-236	815.05	100	1,067.76	109,3	1147 PP		
J-428	813.41	0	1,066.32	109.4	1147 PP	1-	
J-280	870.54	24	1,123.73	109.5	1147 PP	-	
J-15	857.61	0	1,110.96	109.6	1147 PP	-	
J-455	851.68	6	1,105.11	109.6	1147 PP	-	
J-535	814.16	24	1,067.70	109.7	CFW	18	
J-19	857.28	0	1,111.08	109.8	1147 PP	-	
J-233	812.93	11	1,067.73	110.2	1147 PP	-	
J-329	872.71	0	1,127.82	110.4	1147 PP	-	
J-328	871.84	.0	1,127.83	110.8	1147 PP	-	
J-229	811.22	18	1,067.24	110.8	1147 PP	-	
J-141	832.77	51	1,089.21	111.0	1147 PP	-	
J-364	804.76	1,500	1,061.53	111.1	1147 PP	1 -	
J-486	984.70	0	1,241.80	111.2	1255 PP	-	
J-391	984.90	0	1,242.20	111.3	1255 PP	-	
J-449	847.30	6	1,105.05	111.5	1147 PP	-	
J-421	809.44	0	1,067.24	111.5	1147 PP	(-	
J-521	808.83	12	1,067.77	112.0	CFW	1-1	
J-14	851.47	0	1,110.71	112.2	1147 PP	-	
J-232	807.18	21	1,067.63	112.7	1147 PP		
J-492	853.09	0	1,113.93	112.9	1147 PP		
J-336	866.14	0	1,127.82	113.2	1147 PP		
J-389	832.02	Ō	1,094.33	113.5	1147 PP		
J-534	850.57	26	1,112.90	113.5	CFW	_	
J-32	851.18	9	1,114.03	113.7	1147 PP	_	
J-399	976.19	65	1,239.22	113.8	1255 PP	_	
J-28	849.47	26	1,112.55	113.8	1147 PP		
J-25	849.17	30	1,113.21	114.2	1147 PP		
J-254	802.28	9	1,066.41	114.3	1147 PP	10	
J-418	802.32	21	1,067,64	114.8	1147 PP		
J-64	846.56	5	1,112.20	114,9	1147 PP		
J-440	827.90	41	1,093.64	115.0	1147 PP		
J-63	846,05	12	1,112,20	115.0		-0	
J-63 J-423	800.76	3			1147 PP	1 -	
J-423 J-261	799.39	12	1,067.24	115.3 115.5	1147 PP	1 -	
J-201 J-405	800.21	33	1,066.33		1147 PP	-	
J-403	798.27	33 14	1,067.61	115.7 116.0	1147 PP	-	
J-243	799.07	20	1,066.42 1,067.62	116.0	1147 PP	-	
J-243 J-337	859.26	20-7000	1,067,82	116.2	1147 PP	-	
J-337 J-263		0 12			1147 PP	-	
	797.61		1,066,33	116.3	1147 PP	-	
J-253	797.46	30	1,066.46	116.4	1147 PP	-	
J-260	796.60	14	1,066.33	116.7	1147 PP	-	
J-410	840.46	2	1,110.60	116.9	1147 PP		
J-5	838.67	0	1,108.99	117.0	1147 PP	•	
J-448	834.43	15	1,105.04	117.1	1147 PP	-	
J-244	795.32	24	1,067.61	117.8	1147 PP	*	
J-402	794.07	23	1,066.40	117.8	1147 PP	-	
J-279	849.93	5	1,122.39	117.9	1147 PP	-	
J-256	793.74	15	1,066.44	118.0	1147 PP	-	
J-83	840.39	14	1,113.52	118.2	1147 PP	-	
J-259	792.28	9	1,066.33	118.6	1147 PP	-	
J-487	967.22	5	1,241.80	118.8	1255 PP	-	
J-245	792.39	21	1,067.55	119.0	1147 PP	-	
J-495	846.34	0	1,122.26	119.4	1147 PP	-	
J-262	789.91	9	1,066.33	119.6	1147 PP	-	
J-247	790,22	18	1,067.52	120.0	1147 PP	=	
				5 × 2000 0	and the same of the same		

	963.94	0	1,242.41	120.5	1255 PP] -
J-404	786.66	17	1,066.41	121.0	1147 PP	_
J-327	846.07	0	1,127.85	121.9	1147 PP	-
J-458	956,26	27	1,239.21	122.4	1255 PP	-
J-142	807.35	0	1,091.08	122.8	1147 PP	
J-378	826.93	33	1,112.31	123.5	1147 PP	-
J-409	824.86	0	1,110.60	123.6	1147 PP	-
J-258	779.79	9	1,066.34	124.0	1147 PP	-
J-105	952.41	38	1,239.25	124.1	1255 PP	
J-248	780.18	18	1,067.51	124.3	1147 PP	1 -
J-338	840.45	0	1,127.85	124.3	1147 PP	1 -
J-249	779.44	18	1,067.51	124.6	1147 PP	-
J-326	838.91	0	1,127.85	125.0	1147 PP	-
J-157	949.48	23	1,239.97	125.7	1255 PP	-
J-246	776.71	21	1,067.55	125.8	1147 PP	-
J-493	825,46	0	1,116.61	126.0	1147 PP	=
J-67	948.13	17	1,240.27	126.4	1255 PP	-
J-250	774.60	29	1,067.51	126.7	1147 PP	u u
J-431	772.46	17	1,067.51	127.7	1147 PP	ļ -
J-85	819.62	15	1,114.95	127.8	1147 PP	-
J-242	772.15	20	1,067,56	127.8	1147 PP	
J-459	943,15	0	1,239.21	128.1	1255 PP	
J-518	770.42	18	1,067.51	128.5	1147 PP	-
J-150	941.96	32	1,239.21	128.6	1255 PP	-
J-251	765.83	18	1,067.56	130.5	1147 PP	•
J-84	811.69	0	1,114.95	131.2	1147 PP	w ·
J-278	818. 44	6	1,122.39	131.5	1147 PP	-
J-241	762,52	15	1,067.60	132.0	1147 PP	₩
J-86	809.55	5	1,114.95	132.1	1147 PP	-
J-158	933.11	9	1,239.97	132.8	1255 PP	-
J-539	798.00	221	1,107.51	133.9	Jonestown	<u> </u>
J-396	925.14	19	1,239.21	135.9	1255 PP	-
J-271	798.46	0	1,120.23	139.2	1147 PP	<u>=</u>
J-270	796.83	0	1,120,23	139.9	1147 PP	-
J-500	796.66	0	1,120.47	140.1	1147 PP	-
J-501	796.37	.0	1,120.47	140.2	1147 PP	-
J-151	898.61	12	1,239.21	147.4	1255 PP	-
J-152	888.13	12	1,239.21	151.9	1255 PP	<u>L-</u>

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Scenario: Fire Flow Current Time Step: 0.000Hr Fire Flow Node FlexTable: Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minknum Pressure (Zone)	Pressure (Caiculated System Lower Limit) (psi)	Junction W/ Minimum Pressure (System)	Is Fire Flow Run Balanced?	Flow (Total Available) (gpm)	Flow (Total Needed) (gpm)	Fire Flow (Available) (gpm)	Fire Flow (Needed) (gpm)	Fire Flow (Total Upper Limit) (gpm)	Fire Flow (Upper Limit) (gpm)	Pressu (psl)
\$	True True True True True True True True	20.0 205.6 \$5.4 \$5.9 \$5.4 \$20.0 \$23.1 \$20.0 \$25.6 \$5.4 \$20.0 \$25.6 \$5.4 \$20.0 \$25.6 \$25.4 \$20.0 \$25.6 \$25.4 \$20.0 \$25.6	600 600 600 600 600 600 600 600 600 600	20,0 35.1 35.1 35.1 35.1 35.1 35.1 35.1 35.1	→599 →595	26.8 20.6 1 4.7 7 4.7 16.2 6 32.5 1.1 3 1.2 24.3 0 30.5 1 1.2 24.3 0 30.5 1 1.3 1 22.5 32.6 6 32.5 1 22.6 5 1 22.5	1413 1413 1413 1413 1413 1413 1413 1413	True True True True True True True True	2,814 2,346 3,079 3,0724 3,073 3,074	1,220 1,024 1,025 1,020 1,010 1,026 1,010 1,021 1,028 1,021 1,023 1,033	2,611 2,322 3,000	1,000 1,000	3.21 3.000 3.000 3.002 3.003 3.001	3,000 3,000	13(6) 6) 6) 6) 7) 6) 7) 6) 6) 6) 7) 6) 7) 6) 7) 6) 7) 6) 7) 6) 7) 6) 7) 6) 7) 6) 7) 6) 7) 6) 7) 6) 7) 7) 7) 7) 7) 7) 7) 7) 7) 8) 8) 8) 8) 8) 8) 8) 8) 8) 8) 8) 8) 8)

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3,000 3,000
7.7.7.7.988 10***********************************

J-119	True	62.1	0,0	50,8	J-70	32.6	J-358	True	3,018	1,018	3,000	1,000	j 3,018	l 3.000	71
J-118 J-117	True True True	37.5 20.0 53.8	0,0 0,0 0,0	50,8 31,9 50,8	J-70 J-473 J-70	32,6 31,9 32,6	J-358 J-473 J-358	True True True	3,006 2,886 3,030	1,006 1,019 1,030	3,000 2,867	1,000	3,006 3,019	3,000 3,000	71
J-116 J-115	True True	20.0 52.7	0.0	27.4 15.8	J-192 J-192	27.4 15,8	J-192 J-192	True True	1,145 3,004	1,021	3,000 1,124 3,000	1,000 1,000	3,030	3,000	6 (
J-114 J-113	True	52.0 52.8	0,0 0,0	15.8 15.0	♪108 ♪108	15.8 15.0	J-108 J-108	True True	3,012 3,016	1,012	3,000 3,000	1,000	3,004 3,012 3,016	3,000 3,000 3,000	9(
J-112 J-111	True True	33,6 20,0	0,0 0.0	14.5 24.0	J-108 J-108	14.5 24.0	J-108 J-108	True True	3,009 1,214	1,009	3,000 1,194	1,000	3,009	3,000	81 61 41
J-110 J-109	True	20,0 20,0	0.0 0.0	14.8 23.9	J-108 J-108	14.8 23.9	J-108 J-108	True True	2,558 1,151	1,017 1,013	2,541 1,137	1,000	3,016	3,000	5; 4;
J-108 J-107 J-106	True True	20,0 28,8	0.0	20,0 10,4	J-109 J-108	20.0 10.4	J-109 J-108	True True	1,427 3,009	1,010 1,009	1,417 3,000	1,000	3,010	3,000	43
J-105 J-104	True True True	29,6 86,4 60,2	0,0 0.0 0.0	14.1 55,4	J-108 J-367	14.1 32.6	J-108 J-358	True	3,018 3,037	1,018 1,038	3,000 3,000	1,000 1,000	3,018 3,037	3,000	58 124
J-103 J-102	True True	60.2 60.6 67.6	0.0	55,3 55,2 54,2	J-367 J-367 J-367	32.6 32,6	J-358 J-358	True True	3,016 3,012	1,017 1,012	3,000 3,000	1,000 1,000	3,016 3,012	3,000	88 78
J-100 J-99	True True	20.0 47.1	0,0	47.4 47.9	J-99 J-100	32,6 32,6 32,6	J-358 J-358 J-358	True True	3,016 2,990	1,017 1,012	3,000 2,978	1,000 1,000	3,016 3,012	3,000 3,000	70 71
J-98 J-97	True True	51.8 72,6	0,0	50.9 27.2	J-70 J-192	32,6 27,2	J-358 J-192	True True True	3,012 3,031 3,000	1,012 1,032	3,000 3,000	1,000 1,000	3,012 3,031	3,000 3,000	70 71
7-93 7-96	True True	63.6 63,8	0.0	27.2 28.5	J-192 J-192	27.2 28.5	J-192 J-192	True	3,000 3,016	1,000 1,000 1,017	3,000 3,000 3,000	1,000 1,000 1,000	3,000 3,000	3,000 3,000	94 84
J-92 J-91	True True	72.7 77.9	0.0	28.5 28.5	J-192 J-192	28,5 28,5	J-192 J-192	True True	3,000 3,010	1,000	3,000 3,000	1,000 1,000	3,016 3,000	3,000	94 81
J-89	True True	71.4 59.3	0,0	28.3 28.2	J-192 J-192	28.3 28.2	J-192 J-192	True True	3,000 3,015	1,000	3,000 3,000	1,000	3,010 3,000 3,016	3,000 3,000 3,000	9(84
J-88 J-87	True True	54.4 40.6	0.0	27,8 27,3	J-192 J-192	27,8 27.3	J-192 J-192	True True	3,015 3,006	1,016	3,000 3,000	1,000	3,015 3,000	3,000 3,000	8; 6! 6-
J-86 J-85	True True	120.5 77.7	0.0	29,8 29.8	J-192 J-192	29,8 29,8	J-192 J-192	True True	3,004 3,015	1,004 1,015	3,000 3,000	1,000	3,004 3,016	3,000 3,000	132
J-84 J-83 J-82	True True Toue	103,8 97,3	0,0	29.8 31.4	J-192 J-192	29,8 31,4	J-192 J-192	True True	3,000 3,013	1,000 1,013	3,000 3,000	1,000	3,000 3,013	3,000 3,000	13
J-81 J-79	True True True	84.7 48.8 65.1	0,0 0.0 0.0	32.1 47.2 63,5	J-358 J-467 J-367	32.1 32.6	J-358 J-358	True True	3,078 3,000	1,078 1,000	3,000 3,000	1,000 1,000	3,078 3,000	3,000 3,000	100 70 74
J-78 J-74	True True	61.1 23.6	0.0	52.7 47.5	J-387 J-73	32.6 32.6 32.6	J-358 J-358 J-358	True True	3,029 3,030	1,028 1,030	3,000 3,000	1,000 1,000	3,029 3,030	3,000 3,000	71
J-73 J-72	True True	47.5 48.9	0.0	41.3 45.3	J-74 J-74	32,6 32,6	J-358 J-358	True True True	3,009 3,024 3,000	1,009 1,024 1,000	3,000 3,000	1,000 1,000	3,009 3,024	3,000 3,000	64 7(7(
J-71 J-70	True True	48.1 50.7	0.0 0.0	48,6 51.0	J-74 J-481	32.6 32.6	J-358 J-358	True True	3,019 3,008	1,019	3,000 3,000 3,000	1,000 1,000 1,000	3,000 3,019 3,008	3,000 3,000	64
J-69 J-68	True True	50.4 63.6	0,0	49,3 50.1	J-367 J-367	32.6 32,8	J-358 J-358	True True	3,016 3,019	1,017	3,000	1,000	3,015 3,019	3,000 3,000 3,000	6; 7; 6(
J-87 J-66	True True	37.4 20.0	0.0 0.0	45.7 32.5	J-483 J-368	32,6 32.5	J-358 J-358	True True	3,016 1,688	1,017 1,019	3,000 1,668	1,000	3,015 3,019	3,000	124 91
J-65 J-64	True True	44.5 20.0	0.0	32,5 21,4	J-358 J-62	32.5 21.4	J-358 J-62	True True	3,024 2,427	1,024 1,004	3,000 2,422	1,000	3,024 3,004	3,000	81 114
J-63 J-62 J-60	True True True	20.0 20.0 42.9	0,0 0.0	17.2 32,4	J-62 J-358	17.2 32.4	J-62 J-358	True True	2,768 2,674	1,012 1,032	2,756 2,542	1,000 1,000	3,012 3,031	3,000 3,000	111
J-59 J-58	True True	43.5 47.4	0.0 0.0 0.0	32.4 32.5 50.9	J-358 J-358 J-70	32.4 32.5 32.6	J-358 J-358	True	3,016 3,018	1,017 1,018	3,000 3,000	1,000 1,000	3,01 6 3,018	3,000 3,000	70 60
J-56 J-55	True	61,9 83,8	0.0 0.0	50.9 50.9	J-70 J-70	32.6 32.6	J-358 J-358 J-358	True True	3,025 3,008	1,025 1,007	3,000 3,000	1,000 1,000	3,025 3,006	3,000 3,000	8* 7! 9!
J-52 J-50	True True	74,0 74,2	0.0 0.0	50.9 61.0	J-70 J-70	32.6 32.6	J-358 J-358	True True True	3,000 3,000 3,022	1,000 1,000 1,022	3,000 3,000 3,000	1,000	3,000 3,000	3,000 3,000	84
J-43 J-39	True True	54.9 48.5	0,0 0,0	32.2 28.7	J-358 J-363	32.2 28.7	J-358 J-363	True True	3,018 3,006	1,018	3,000 3,000	1,000 1,000 1,000	3,022 3,018 3,006	3,000 3,000 3,000	89 71
J-38 J-34	True True	54.7 60,4	0.0 0.0	30,1 30,2	J-363 J-192	30.1 30,2	J-383 J-192	True True	3,021 3,015	1,021	3,000 3,000	1,000	3,021 3,016	3,000 3,000	7(8/ 10'
J-33 J-32	True True	74,8 101,9	0.0	30,2 29,6	J-192 J-192	30,2 29,6	J-192 J-192	True True	3,019 3,009	1,019	3,000 3,000	1,000 1,000	3,019	3,000 3,000	g) 11
J-28 J-27 J-2 0	True True True	58,4 82,6	0.0	28.8 28.8	J-192 J-192	28.8 28.8	J-192 J-192	True True	3,025 3,000	1,025 1,000	3,000 3,000	1,000 1,000	3,025 3,000	3,000 3,000	11:
J-25 J-19	True True True	86,3 102,0 89,1	0.0	28,8 29,2	J-192 J-192	28.6 29.2	J-192 J-192	True True	3,009 3,030	1,009 1,030	3,000 3,000	1,000 1,000	3,009 3,030	3,000 3,000	91
J-15 J-14	True True	88.7 90,6	0.0 0.0 0.0	28.0 28.0 27.9	J-192 J-192 J-192	28.0 28.0 27.9	J-192 J-192 J-193	True True	3,000 3,000	1,000 1,000	3,000 3,000	1,000 1,000	3,000 3,000	3,000 3,000	101 101
J-9 J-8	True True	70.9 55.9	0.0	27.9 27.9 27.9	J-192 J-192 J-192	27.9 27.9 27.9	J-192 J-192 J-192	True True	3,000 3,000	1,000 1,000	3,000 3,000	1,000 1,000	3,000 3,000	3,000 3,000	112 102
J-7 J-6	True True	45.5 37.3	0.0	27,9 27,9	J-192 J-192	27.9 27.9 27.9	J-192 J-192	True True True	3,000 3,000 3,000	1,000 1,000 1,000	3,000 3,000	1,000 1,000	3,000 3,000	3,000 3,000	10°
J⊦ō	True	24.7	0.0	27.9	J-192	27.9	J-192	True	3,000	1,000	3,000 3,000	1,000 1,000	3,000 3,000	3,000 3,000	101 111

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EXHIBIT I

CITY OF LEANDER TAP FEES AND IMPACT FEES

April 2018 Page 25



Tap and Impact Fees

Effective for Properties Platted After October 2, 2017

This list is subject to change. Please refer to the City of Leander Code of Ordinances for the most updated information.

Impact Fees

METER SIZE	LUE	CIF(Water)	CIF(Sewer)
5/8 – inch	1.0	\$4309.00	\$2820.00
³ / ₄ - inch	1.0	\$4309.00	\$2820.00
1-inch	2.5	\$10,772.50	\$7050.00
1 ½ -inch	5.0	\$21,545.00	\$14,100.00
2 – inch	8.0	\$34,472.00	\$22,560.00
3 - inch	16.0	\$68,944.00	\$45,120.00
4 – inch	25.0	\$107,725.00	\$70,500.00
6 – inch	50.0	\$215,450.00	\$141,000.00
8 – inch	80.0	\$344,720.00	\$225,600.00
10 – inch	115.0	\$495,535.00	\$324,300.00

Dwelling Type	UNITS	LUE	CIF(Water)	CIF(Sewer)
Two-Family	Per Resident Unit	0.7 *	\$3016.30	\$1974.00
Three-Family	Per Resident Unit	0.6 *	\$2585.40	\$1692.00
Multi-Family (four or	Per Resident Unit	0.5 *	\$2154.50	\$1410.00
more units)				

^{*} Regardless of water meter size

For lots platted within the Liberty Hill Wholesale Wastewater Service Area, a system reservation fee credit of \$350 toward the CIF (Sewer) fee may apply.

Water Tap Fees

(A) Where service lines must be installed and a water meter set by the City, the tap fee(s) shall be:

METER SIZE	TAP FEE & CHARGE
5/8 – inch	\$840.00
³ / ₄ - inch	\$940.00
1 - inch	\$800.00 + cost of meter
1 ½ - inch	$$1,050.00 + \cos t \text{ of meter}$
2 – inch	\$1,300.00 + cost of meter
3 – inch and above	At cost

All installations requiring a street cut shall require an additional \$1000.00 fee for a two lane roadway and \$500.00 for each additional lane thereafter.

Boring to streets shall be done at cost.

(B) Where service lines have been installed and the City is only required to inspect the connection and install a water meter, the tap fee shall be:

Meter Size	Tap Fee and Charge
5/8 – inch	\$340.00
3/4 - inch	\$415.00
1 – inch	\$225.00 + cost of meter
1 ½ - inch	\$250.00 + cost of meter
2 – inch	\$275.00 + cost of meter
3 – inch and above	\$300.00 + cost of meter

The fees included herein are also exclusive of the cost of backflow prevention devices, which shall be installed and tested at the customer's expense, when and as required by the City of Leander.

Wastewater Tap Fees

- (A) Where service lines must be installed by the City, the tap fee shall be \$750.00. All installations requiring a street cut shall require an additional \$850.00 fee for a two-lane roadway and \$425.00 for each additional lane.
- (B) Boring to streets shall be done at cost.
- (C) Where service lines have been installed, and the City is only required to inspect the connection, the tap fee shall be \$100.00.